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Business Ideas for Startups

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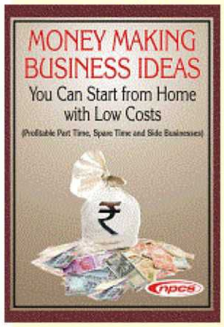
An Industrial Monthly Journal on
INDUSTRIAL DEVELOPMENT, TECHNOLOGIES & PROJECT OPPORTUNITIES

Vol. 27 | No. 08 | August 2021 | 36 Pages

Money Making Business Ideas
You Can Start from Home with Low Costs
(Profitable Part Time, Spare Time and Side Businesses) 2nd Revised Edition

₹ 800/- US$ 100-



A large number of people today dream of starting something of their own and wish that they did not have to utilize their capabilities while making money for someone else. If you are one of the above, then this book could be the end of your search. The first few concerns while you start something of your own are the right choice of business and the associated investment requirement. This book places a full stop to your search for lucrative business that you can start from your home with low costs. It lists down more than 30 businesses that can give you good returns and can be operated from the comfort of your home.

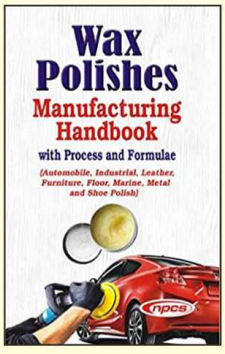
If you look around yourself, surely you will find a friend or a relative or a friend's friend or your neighbor pursuing their hobby as a business (full time or part time) and most of which will be home based. And are you, on the other hand, still struggling with the choice of business? Has that made you feel left out or indecisive or unconfident? The correct choice of business is an extremely essential step in the process of 'being your own boss'. The book 'Money Making Business Ideas- You Can Start from Home with Low Costs'discusses in detail all the vital steps and concerns of operating a business from home like why your chosen business will work, what is the business model, how will you generate money from it, What can you sell, How will you market your business and what are the raw materials/machinery required. After gathering the above mentioned details of a business, the decision of choosing an appropriate one will no longer be a cumbersome process.

This book is designed to help you climb the ladder of success by being your own boss and essentially qualifies as an entrepreneurial tool for anyone who wishes to be self-employed and doesn't have the desired knowledge to go ahead. A growing number of housewives today are willing to work in order to bring in additional money in their households and make a mark for themselves. And working from home is their first preferable choice for earning their identity. A large number of home makers are turning on their entrepreneurial caps and are in a constant search for home based business that can help them fulfill their goals and desires. This book aims at equipping such people with the required knowledge and motivation to start something of their own by sharing the concerns, decisions and choices involved in the process. Once you have made the choice of your business, it helps you to understand the ways in which you can source the capital required and the ways you can operate your small venture.

After reading this book, the dilemma surrounding the decision to go solo will be cleared up and you will be all equipped to take on the battle with a shining armor.

Wax Polishes Manufacturing Handbook
with Process and Formulae
(Automobile, Industrial, Leather, Furniture, Floor, Marine, Metal and Shoe Polish)

₹ 1675/- US$ 150-



Polishes typically contain a lot of abrasives, rinsing agents and organic solvents. Protectants typically contain neither abrasives nor rinsing agents, less organic solvents than the two other product types and a lot of protectant. Polishes are used to maintain a glossy finish on surfaces as well as to prolong the useful lives of

these surfaces. Polishes can be described in terms of their physical form, carrier system, ability to clean, and durability. Physical forms of polishes include pastes, pre-softened pastes (non-flowing emulsions), liquids, and gels. Polishes beautify and protect by coating or refinishing surfaces.

Waxes are used as finishes and coatings for wood products. Waxes are also used in shoe polishes, wood polishes, and automotive polishes, as mold release agents in mold making.

Furniture polish value sales are expected to reach US$ 13,101.3 mn by 2027, expanding at a CAGR of 5.0%. Shoe polish protects the shoes from moisture, water, and becoming hard. It provides the shoes with a waxy coating and a shine. Shoe polish market is concentrated in the urban areas. The global shoe polish market is projected to grow at a CAGR of 2.75% over the forecast period of 2019-2025. The global metal polish products market has been registering rapid growth, owing to the use of different metal alloys in machinery, furniture and other metal products due to their cheaper cost and high efficiency. Globally, the metal polish market has been witnessing significant growth, owing to the rise in the demand for cleaning and polishing products.

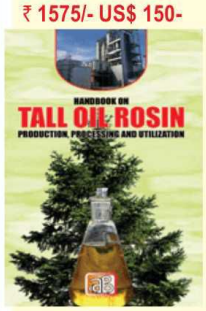
The book contains formulations and manufacturing process of auto polish and wax products, furniture polish, marine polish, metal polish and shoe polish, their marketing strategies, BIS specification, directory section, plant layouts and photographs of machinery with supplier's contact details.

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

After reading this book, the dilemma surrounding the decision to go solo will be cleared up and you will be all equipped to take on the battle with a shining armor.

Handbook on
Tall Oil Rosin Production, Processing and Utilization

₹ 1575/- US$ 150-



Tall oil, a by-product of kraft pulping of pine wood, is formed by acidifying black liquor soap skimmings. It consists of resin acids or rosin, fatty acids, and neutrals. Crude tall oil is an excellent source of rosin and tall oil fatty acid, an industrial-grade oleic and linoleic acid blend. The bulk of the neutrals, largely esters of fatty acids, sterols, resin and wax alcohols, and hydrocarbons, boil at either lower or higher temperatures than the boiling range of the fatty and resin acids.

Tall oil itself has a variety of uses in industry. It is used as a frothing agent in the flotation process for reclaiming low grade copper- lead- and zinc-bearing ores, and as a solvent or wetting agent in a variety of textile and synthetic fibre manufacturing processes. The distilled fatty acids are used in soaps, detergents and disinfectants and as a base for lubricating greases, textile oils, cutting oils and metal polishes. They are also used as drying agents in paint, although synthetic substances are widely used. The fatty acids are unsaturated and on exposure to air undergo autoxidation and polymerization to form resin-like materials which form a tough protective coating. Resin acids are used in rubber polymerization and compounding, as size to impart water resistance to paper, and in adhesives and printing inks. Resin acids are the major component of a substance known as rosin, which is used by musicians to improve the grip of bows used for string instruments.

The book contains production details of different products like recovery of crude tall oil, Composition and properties of crude tall oil, Lab. Scale fractional vacuum distillation, tall oil soap acidulation, purification of sulphate soap, hydrodynamic separation of CTO, dimerization of tall oil fatty acid, black liquor soap recovery methods, tall oil in asphalt products and petroleum uses, tall oil in liquid soaps, tall oil in rubber, paper and printing inks etc. This book is very useful for scientists, scholars, consultants and technical institutions.

BOOKS FOR SELF EMPLOYMENT, UNEMPLOYED YOUTH, ENTREPRENEURS, SMALL, HOME, COTTAGE, BUSINESS/PROJECTS, CANDLE MAKING, FASHION & EXPORT GUIDELINES

Just for starters How to start you own export business (4th Rev. Edition)

The uniqueness of this book is that it furnishes in a lucid manner various steps, incentives and facilities relating to export business. Essential factors for successful exporting, preliminaries for stating export business, registration for exporters, sending samples, procurement of license, processing of export orders, appointment of overseas agent etc, ensure good beginning for the new entrants in the export business and many more. ISBN : 978-81-950755-4-6 **Price : ₹975 US$ 100**

Fashion Technology Hand Book

Fashion leads the world & it will continue to do so though times. Human can not be ever segregated from fashion. With the advancement of new age we envisage tremendous change. We also see for the career boom of young designers are always in search of course way in which they can be explained the requirement and stages in which to work.

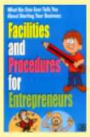
ISBN : 8178330970 **Price : ₹325 US$50**

Just for Starters How to Become a Successful Businessman 3rd Rev. Ed.

The book contains introduction, steps in setting up an SSI, Registration/ License for SSI, Resourcing, Technical Know-How, Foreign Collaboration, Marketing, Lessons from experience, policies and programmes for rural development, Prime Minister Rozgar Yozna, Rural Woman Entrepreneurship in India. Bright prospects, Industrial Innovation by small and medium Sized Enterprises, Indian Small Industry, Organisation, Supporting Entrepreneurship, development in India, directory Section etc. ISBN:978-93-81039-03-8 **Price : Rs.475 US$75**

Stop Dreaming–Start Your New Business

The small industries sector plays a vital roll in the industrial development of the recent globalization process. Any unit or new entrepreneur, establishing or implementations the project needs finance for long term. This book will help you to handle all aspects of running your own business. This very useful book for new entrepreneurs. You will see how your dream to be your own boss become a reality. ISBN:8178330458 **Price : ₹400 US$50**



What No one Ever Tells You about starting Your Business-Facilities and Procedures For Entrepreneurs

The Government had announced series of steps to promote industrial development by way of rationalization of the policies to encourage the new entrepreneurs as well as existing units. This book is a unique guideline for those who are looking for starting a new business and wants to start some industry with help of different concerned departments. It also covers the export guidelines. We are confident that this book will prove to the important guidelines for new entrepreneurs. ISBN:8178330474 **Price:₹400 US$50**

Just for Starters : Selected Projects to Start with 15,00,000

The first and paramount problem faced by an entrepreneur is "WHAT TO PRODUCE"? Academic qualification are not prerequisites for setting up a successful industry. It is necessary for the entrepreneur to have qualities like ability to plan, Maintain good public relation, Reasonable risk taking capacity and of course have adequate financial resources. The first step towards setting up an industry is the identification of product and feasible product line after a thorough study of the market for the product, its demand and supply position, People's changing altitudes, Competition in the line, Method of distribution etc. This book is meant to help new entrepreneurs in product identification along with market survey studies, cost estimation, profitability calculation and various other aspect. ISBN : 8178330237 **Price : ₹475 US$50**

Just For Starters : Selected Projects to Start with 30,00,000

The small scale enterprise sector is a dynamic vibrant segment of the Indian Economy. By APRIL-2000 this sector accounted for 40% of the industrial production, 35% of the total exports and provides employment to over 17 million through over 3 million small enterprises across the country. These small Enterprises manufactures a wide range of more than 7500 products, ranging from inexpensive consumer goods and services to technically advanced products, meeting requirements of sophisticated industries and consumed in India and abroad. This sector is the nursery for the development of entrepreneurial talent and has grown into an important component of the production chain. As this sector moves ahead our Government id proactively assisting in three major thrust areas "Technology, Marketing and Credit," and Government has set up an elaborate support for promotion of small, cottage and informal industries. ISBN : 8178330229 **Price : ₹475 US$50**

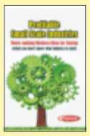
The Complete Technology Book on Candle Making Designs

Candle making is a very flourishing industry in modern times owing to the versatile use of candle on various occasions and ceremonies. Candle are prepared by well established methods in multifarious fascinating colours, designs and shapes. This is one of the unique book deals ostensibly with different candle making process viz. Dipping, Pouring, Moulding or Casting ad Drawing, delineating their technicalities in most illustrious manner with pictorial representations. Finally, the book concludes with directory section giving addresses of raw materials, plant and machinery suppliers. ISBN:81-86623-66-3

Price : ₹650 US$100

Select & Start Your Own Industry (4th Rev. Edn.)

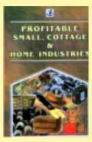
The book contains more than 4500 projects with their installed capacities, cost of projects, rate of return etc. This is very helpful book for those who want to diversity or start new industry. ISN:978-93-81039-15-1 Price : ₹475 US$50



Profitable Small Scale Industries - Money making Business Ideas for Startup, (when you don't know what industry to start) - 2nd Revised Edition

The major contents of the book are India Government Loan Schemes for Small Scale Businesses, Government Support for Innovation and Entrepreneurship in India, Pradhan Mantri Mudra Yojana, Packaging and Labeling, Products Packaging, Marketing, Onion Dehydration, Garlic Dehydration, Onion Pickle, Onion Chutney, Garlic Oil, Onion Powder, Ginger Oil, Ginger Powder, Ginger Paste, Tomato Pulp, Tomato Paste, Tomato Ketchup, Tomato Powder, Disposable Blood Bags, Disposable Masks, Disposable Surgical Catheters, Disposable Plastic Syringes, Plastic Cups, Disposable Banana Leaf Plate, Facial Tissue & Baby Wet Wipes, Urea Formaldehyde Resin Adhesive, Toothpaste Production, Gypsum Board, Surgical Absorbent Cotton, Glass Fibre, Complex Fertilizers, Activated Carbon from Wood, Biscuits, Candy, Chocolates, Milk Powder, Instant Noodles, Khakhra, Soft Drinks, Spices and Sample Plant Layouts.

ISBN: 9789381039922 **Price : ₹975 US$100**



Profitable Small, Cottage & Home Industries

The identification of a suitable project within the investment limit of a new entrepreneur is very difficult. The present book strives to meet this specific entrepreneurial need. The book contains processes formulae, brief profiles of various projects which can be started in small investment without much technical knowledge at small place.

ISBN : 8178330636 **Price : ₹800 US$100**

Grow Rich By Starting Your Own Business

The contents of this book will guide you, step by step, to get our business up and running. You will see how to choose a business that is right for you and find the fund you need to begin and support it. This book will help you how to handle all aspect of running your own business setting up your office, marketing your product or service, getting the help your cash flow and collection, adding employees to expand more, fighting the defaulting customers and more.

ISBN :8178330903 **Price ₹325 US$50**

50 Project to Start With 5,00,000

The book has been written for the benefit of small entrepreneurs who do onot wish to invest large amount and case has been taken to present the matter in a very simple and comprehensive language so that person without much technical background can grasp the subject easily. More than 50 profitable products have been included in this book with brief project profiles, processes, addresses of machinery and raw material suppliers. ISBN:978-81-7833-060-0 **Price : ₹475 US$75**

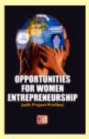
Best Businesses You Can Start with Low Cost (2nd Rev.Edn.)

Major contents of the book are cooking classes, handmade jewellery making, in house salon, cake & pastry making, home tutoring, internet business, cleaning business, detergent making, pet sitting business, gardening business, home based photography, recruitment business, banana chips making, potato chips and wafers, leather purse and hand bags, biscuit manufacturing, papad manufacturing, pickles manufacturing, spice manufacturing, ice-cream cones manufacturing, wax candles manufacturing, chilli powder manufacturing, soft toys manufacturing, soap coated paper, baking powder making, moong dal bari making etc.

ISBN:9788178331607 **Price: ₹750 US$100**

Secrets For Making Big Profits from Your Business with Export Guidelines

The purpose of this book is to enrich the people with an understanding of the entrepreneurial process. There is no presumption, however, that entrepreneurship can be "taught," because entrepreneurs have their own peculiar way of doing things. Yet it is possible to help them to better prepared for transforming dreams in realities. Consequently the book is organized to explore the nature of entrepreneurship, provide models for new venture creation and describe way to help entrepreneurs succeed. The book contains different parameters, procedures and facilities provided by central and state Govt. The book can prove to be useful compendium for any body wanting to setup a small scale unit. ISBN:8178330466 **Price : ₹400 US$50**



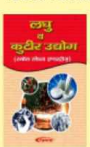
Opportunities For Women Entrepreneurship (with Project Profiles) 2nd Edition

To empower women entrepreneurship, we have released this book which contains number of project profiles suitable for women entrepreneurs. Projects covered in this book are pickles, murabbas, squashes, spices, soya bean bariyan, pam nasala, readymade garments, socks knitting and many more. This book will be helpful to those women who want to succeed in their life & dream of moving a step closer of being self dependent. ISBN:9788178330587 **Price : ₹575 US$50**

Just for Starters : Select Projects to Start with 35,00,000

The economic environments going to be more and more responsive to enterprising activities and tremendous potential is likely to enhance for the development of small-scale sector at all level of investment. This book provide technical assistance and special guidance to the entrepreneurs in identifying projects to be started with in Rs. 35,00,000. The book contains processes, project profile, raw material and machinery list with the addresses of their suppliers.

ISBN : 8189579002 **Price : ₹475 US$50**



लघु व कुटीर उद्योग (स्मॉल स्केल इण्डस्ट्रीज) (5th Revised Edition)

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स्मॉल स्केल इण्डस्ट्रीज प्रोजेक्ट्स (लघु, कुटीर व घरेलू उद्योग परियोजनाएं) उद्यमिता मार्गदर्शिका (2nd Revised Edition)

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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.

NPCS is one of the leading players in the industry endowed with the expertise, sound technical knowledge and intellectual asset. NPCS is a repository of reliable professional information for the entrepreneurial fraternity of India and has well experienced professionals in market research comprising of consultants, experts, field executives, researchers and analysts from different industries and sectors. We strive to provide a global platform for the entire entrepreneurial ecosystem by providing right project for investment, market survey studies and research through our advanced industrial, business and commercial databases.

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success. We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

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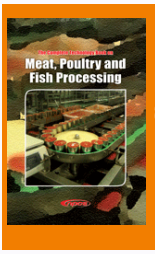

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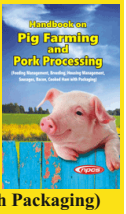

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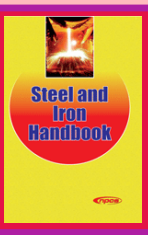

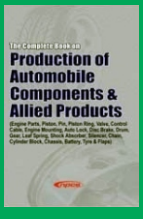

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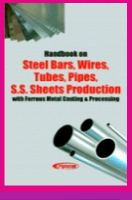

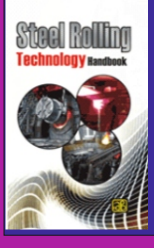

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* The Complete Technology Book on Detergents (2nd Revised Edn.)	1 100/- 125
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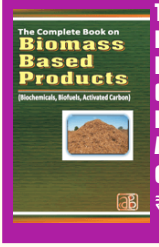
WASTE MANAGEMENT



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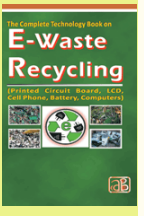
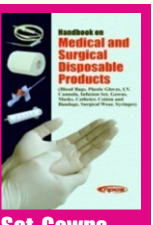
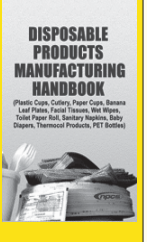


Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA)
₹ 1295/- US$ 125

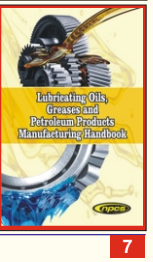
Handbook on Medical and Surgical Disposable Products(Blood Bags, Plastic Gloves, I.V. Cannula, Infusion Set, Gowns, Masks, Catheter, Cotton and Bandage, Surgical Wear, Syringes)
₹ 1775/- US$150



Disposable Products Manufacturing Handbook
(Plastic Cups, Cutlery, Paper Cups, Banana Leaf Plates, Facial Tissues, Wet Wipes, Toilet Paper Roll, Sanitary Napkins, Baby Diapers, Thermocol Products, PET Bottles)
₹ 1575/- US$150



Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook
1475/- US$150



SELECTED PROJECTS FOR YOU

Manufacturing Business of Steel Shipping Containers (Cargo Container)

The cargo container industry produces a lot of intermodal containers each and every year. They are used to transport goods all over the world. About 180 million container loads crisscross the oceans each year in about 5000 container ships. International shipping of containerized commodities is indispensable for global trading firms to thrive in the increasingly competitive economic environment. Containers are either made of steel (the most common for maritime containers) or aluminum (particularly for domestic) and their structure confers flexibility and hardiness.

1. Refactor Existing Applications For Containers: Although refactoring is much more intensive than lift-and-shift migration, it enables the full benefits of a container environment.

2. Develop New Container-Native Applications: Much like refactoring, this approach unlocks the full benefits of containers.

3. Provide Better Support for Micro services Architectures: Distributed applications and micro services can be more easily isolated, deployed, and scaled using individual container building blocks.

4. Provide Easier Deployment of Repetitive Jobs and Tasks: Containers are being deployed to support one or more similar processes, which often run in the background, such as ETL functions or batch jobs.

The global Shipping Containers Market was accounted for US$ 10,350.1 Mn in terms of value and 306,324 Thousand Units in 2019 and is expected to grow at CAGR of 5.9% for the period 2020-2027. Increasing speed, reliability, and safety of containerization have compelled companies to opt for containers to ship their goods. Decreasing the cost of long-distance containerized transportation combined with globalization of trade further boosts containerization.

PROJECT COST ESTIMATE

CAPACITY

Cargo Containers (Size 20 Feet)	: 4 Nos Per Day
Cargo Containers (Size 40 Feet)	: 4 Nos Per Day
Cargo Containers (Size 40 Feet High Cube)	: 2 Nos Per Day
Plant & Machinery	: ₹ 2945 Lakhs
Cost of Project	: ₹ 1364 Lakhs
Rate of Return	: 26%
Break Even Point	: 45%

Setup a Dual Feed Distillery (Ethanol as Bio-Fuel)

Biofuels are transportation fuels such as ethanol and biomass-based diesel fuel that are made from biomass materials. These fuels are usually blended with petroleum fuels (gasoline and distillate/diesel fuel and heating oil), but they can also be used on their own. Using ethanol reduces the consumption of gasoline and diesel fuel made from crude oil, which can reduce the amount of crude oil imported from other countries.

Molasses is a one precious byproduct of sugarcane, about 1 ton of it produces 4% of molasses by the sugar processing industry in every single run. Molasses contain rich source of nutrients, and it is employed as an effective raw material for the production of organic acids especially ethanol. Ethanol is the major product obtained from the molasses by means of anaerobic fermentations using microorganisms.

PROJECT COST ESTIMATE

CAPACITY

Ethanol from Molasses	: 5 KL Per Day
Ethanol from Grain (Corn)	: 5 KL Per Day
DDGS As By Product	: 8 KL Per Day
Plant & Machinery	: ₹ 3723 Lakhs
Cost of Project	: ₹ 4778 Lakhs
Rate of Return	: 24%
Break Even Point	: 44%

Grain based distilleries to produce ethanol. However, benefits of interest subvention scheme is to be extended to only those distilleries which are using or will be using dry milling technique to produce Dry Distillers Grain Soluble (DDGS).

Ethanol is used extensively as a solvent in the manufacture of varnishes and perfumes; as a preservative for biological specimens; in the preparation of essences and flavorings; in many medicines and drugs; as a disinfectant and in tinctures (e.g., tincture of iodine); as a fuel and gasoline additive. Ethanol has been produced from different sources in the past.

As India has very large area under sugar cultivation, we can also follow the Brazilian route (i.e. using ethanol as motor fuel) of ethanol production. It has been observed that upto 5% of the ethanol can be blended with petrol without any modification in the carburetor or the engine, provided ethanol to be anhydrous, while upto 10% of ethanol can be blended with minor adjustment in the carburetor or the engine.

Production Business of Magnesium Stearate

Magnesium stearate is the chemical compound consisting of stearate (anion of stearic acid) and magnesium cation. Magnesium stearate is a white, water-insoluble powder. The rapid growth of the

pharmaceuticals sector in Asia-Pacific (APAC), along with the increasing consumption of the compound in the personal care sector, is one of the major factors promoting the growth of the global Magnesium Stearate industry.

Applications:

1. It is applied in pharmaceuticals drugs as binder in order to bind tablets and make them smooth.

2. With no side effects known, it is also used as a common additive or preservative in several foods.

3. It is an effective emulsifier for syrups, ketchups, sauces etc.

4. Confectioneries utilises it for binding candies etc.

The global magnesium stearate market stood at $1,492.3 million in 2019, and the market size is expected to demonstrate a CAGR of 5.3% during the forecast period (2020–2030). The rapid growth of the pharmaceuticals sector in Asia-Pacific (APAC), along with the increasing consumption of the compound in the personal care sector, is one of the major factors promoting the growth of the global magnesium stearate industry. Spiraling usage of magnesium stearate as an excipient in tablets, capsules, and other drug formulations is likely to stoke the growth of the market. Increasing health consciousness among people across the world coupled with rising disposable incomes in countries such as China and India is bolstering the growth of the market.

PROJECT COST ESTIMATE

CAPACITY

Magnesium Stearate	: 10 MT Per Day
Plant & Machinery	: ₹ 301 Lakhs
Cost of Project	: ₹ 515 Lakhs
Rate of Return	: 28%
Break Even Point	: 44%

Manufacturing of Sanitary Napkins

Sanitary Napkin comes under Nonwoven fabrics which as a whole come under technical textile. The functions of sanitary napkins are to absorb and retain menstrual fluid, and isolate menstrual fluids from the body. Important and desired properties are: no leakage, no unaesthetic appearance or color, no odor, no noise, stay in place, comfortable to wear (thin body shape), and a high level of hygiene.

PROJECT COST ESTIMATE

CAPACITY

Sanitary Napkins	: 6,720 Pkts. Per Day
Plant & Machinery	: ₹ 46 Lakhs
Cost of Project	: ₹ 95 Lakhs
Rate of Return	: 36%
Break Even Point	: 86%

Sanitary Napkins are exclusively used by adult girls & Ladies around the world during their menstrual periods as a means of maintaining physical aid & to avoid wetting or staining of the clothes. Sanitary Napkin is not reasonable & it is to be thrown away only. When it is saturated with wet liquids. There are several different types of disposable sanitary pads:

Panty Liner: Designed to absorb daily vaginal discharge, light menstrual flow, "spotting", slight urinary incontinence, or as a backup for tampon use.

Ultra-thin: A very compact (thin) sanitary pad, which may be as absorbent as a Regular or Maxi/Super pad but with less bulk.

Regular: A middle range absorbency sanitary pad.

Maxi/Super: A larger absorbency pad, useful for the start of the menstrual cycle when menstruation is often heaviest.

Night: A longer pad to allow for more protection while the wearer is lying down, with absorbency suitable for overnight use.

Maternity: These are usually slightly longer than a maxi/Super pad and are designed to be worn to absorb lochia (bleeding that occurs after childbirth).

The global Sanitary Napkin Market is expected to register a double-digit CAGR of 5.2% by 2023. Female hygiene and health are major concerns across the world. Sanitary napkin is an absorbent item used by a woman during her menstruation cycle. Sanitary napkins are made of cellulose, plastic, and cotton. Manufacturers are expected to focus on untapped rural markets and increase their CSR (corporate social responsibility) activities related to women's hygiene.

Profitable Business of Bamboo Toothbrush

Bamboo toothbrushes are manual toothbrushes, similar in design to what you would find on any store shelf. A bamboo toothbrush has a long handle and bristles to remove food debris and plaque from your teeth. The critical difference is that the long handle is made from more sustainable bamboo instead of plastic.

Bamboo toothbrushes are quickly becoming a staple in many households, not only because they're naturally antimicrobial, but also because of they are eco-friendliness and biodegradability. While a plastic toothbrush will sit in a landfill forever and release toxic chemicals as it decays, a bamboo toothbrush will naturally decompose after it's been disposed of. In our already over-polluted world, this is why switching over to one of the best bamboo toothbrushes is so crucial.

PROJECT COST ESTIMATE

CAPACITY

Bamboo Toothbrush (4 Pcs. per Pack)	: 2,280 Packs Per Day
Bamboo Toothbrush (1 Pc. per Pack)	: 9,120 Packs Per Day
Plant & Machinery	: ₹ 123 Lakhs
Cost of Project	: ₹ 395 Lakhs
Rate of Return	: 28%
Break Even Point	: 57%

The majority of bamboo toothbrushes come in two types: those with nylon bristles, and those with charcoal-infused bristles, each of which has their own set of advantages. Traditional nylon bristles are more common, and while they're firm enough to sweep and capture bacteria from around each tooth, they also tend to be softer than charcoal bristles.

The Global Bamboo Toothbrush Market is expected to register a CAGR of 7% to reach USD 842.1 million by 2024.Bamboo toothbrushes are an eco-friendly alternative to plastic toothbrushes. Bamboo has several characteristics that make it an ideal substitute for plastic. It is cost-effective, has anti-microbial properties, can be grown in a wide variety of landscapes, and is easy to manipulate to make objects. Bamboo toothbrushes naturally ward off microbial growth and can be discarded without causing any harm to the environment.

Start Manufacturing of PP Woven Fabric

Polypropylene, which is also known as PP for short name, is one kind of thermoplastic resin material that produced by the polymerization of propylene. Woven polypropylene is polypropylene strips/threads that

have been woven in two directions (warp and weft) to create a light, but strong and heavy duty material.

Polypropylene fabric is a term used to describe any textile product that is derived from the thermoplastic polymer polypropylene. This type of plastic is part of the polyolefin group, and it is non-polar and partially crystalline. Next to polyethylene, polypropylene is the second-most commonly produced plastic in the world, and it is more commonly used in packaging, straws, and other types of consumer and industrial goods than it is in textile production.

PP woven Fabrics are used in various end applications like Grain & Pulses Bags, Foods & Spices Bags, Animal Food Bags,Fertilizers & Chemical Bags, Cement & Wall finish Bags,Powder & Granule Bags, Mineral Bags, Detergent Bags,Mehndi Bags, Nuts & Fruits Bags, Specialty Bag For Tea &Coffee, Outer Promotional Shopping Bags. Thesepolypropylene (PP) woven fabrics are quality constructedto provide strong and economical packaging option forvaried industry sectors.

PROJECT COST ESTIMATE
CAPACITY

PP Woven Fabric	: 12 MT Per Day
Plant & Machinery	: ₹ 943 Lakhs
Cost of Project	: ₹ 1637 Lakhs
Rate of Return	: 27%
Break Even Point	: 52%

The FIBC industry in India is very capable and highly developed despite the woeful lack of domestic demand so far. India is a very large player in the international FIBC business and ranks behind only China in the global supply scenario. The Indian FIBC industry has been making rapid strides in the global market and is presently estimated to have overtaken Turkey as the world's second largest producer.

Production of Bricks from Fly Ash

Fly Ash brick is a product of basic cement clinker materials i.e. FLY ASH, STONE DUST/SAND, LIME, GYPSUM and BONDING AGENT. The mix is so ideally worked out to produce bricks of higher strength with consistency as well as uniformity. The manufacturing process is fully automatic with state of art technology.

Fly Ash bricks are made of fly ash, lime, gypsum and sand. These can be extensively used in all building constructional activities similar to that of common burnt clay bricks. The fly ash bricks are comparatively lighter in weight and stronger than common clay bricks. Fly Ash Bricks are durable, have Low water absorption, less consumption of mortar, Economical & eco-friendly, Low energy consumption and No emission of greenhouse gases. These bricks are not affected by environmental conditions and remain static thus ensuring longer life of the building. Fly Ash Bricks provides a high level of moisture resistance. It's very economical, cost effective, nil wastage while transporting and handling. Fly Ash Bricks is available in various sizes. These qualitative bricks have high compressive strength and absorb low water.

PROJECT COST ESTIMATE
CAPACITY

Bricks	: 25,000 Nos. Per Day
Plant & Machinery	: ₹ 113 Lakhs
Cost of Project	: ₹ 365 Lakhs
Rate of Return	: 27%
Break Even Point	: 48%

Fly Ash Bricks provides a high level of moisture resistance. It's very economical, cost effective, nil wastage while transporting and handling. Fly Ash Bricks is available in various sizes. These qualitative bricks have high compressive strength and absorb low water. Fly ash brick industry is necessary for promoting cleaner brick production technology and waste. Since bricks form the backbone of the construction sector, its demand for quality buildings will increase manifold. Fly-ash bricks are gaining acceptance in the Construction Sector. These bricks are eco-friendly and aesthetically appealing. Secondly, they are durable, and resistant to fire and moisture.

Business of Blood Collection Bags

Blood bag is a disposable bio-medical device used for collection, storage, transportation and transfusion of human blood and blood components. The system consists of a single or multiple bags connected with tubings, needle, needle cover, clamp etc. The Blood Bags are made of plastic-material, which are compatible with blood.

Blood bags contain an anticoagulant solution and a red blood cell preservative solution, and are used in blood banks which both collect donor blood and separate blood components. Blood bags are made from imported, medical grade PVC granules & sheets in Class 10000 Clean room environments.

PROJECT COST ESTIMATE
CAPACITY

Blood Collection Bags	: 10,000 Nos Per Day
Plant & Machinery	: ₹ 167 Lakhs
Cost of Project	: ₹ 671 Lakhs
Rate of Return	: 27%
Break Even Point	: 58%

The blood bags market is projected to register a CAGR of 10.82% over the period, with a revenue of approximately USD 384.37 million in 2020, and it is expected to reach USD 711.85 million by 2026. With the rise of the COVID-19 public health emergency, the demand for blood bags has increased. Many individuals with weak immune systems have been infected by COVID-19 and hospitalized, and many require a blood transfusion. As a result, the demand for blood bags and equipment has risen following the pandemic. Many governments are also taking initiatives to help increase blood donation. As a result, the demand for blood bags is expected to increase.

Additionally, government initiatives are expected to boost the healthcare sector. Moreover, the rising numbers of hospitals, blood banks, and other healthcare centers are driving the growth of the blood bags market across the globe. The growing awareness about blood donation among citizens is also propelling the demand for blood bags around the globe.

Business Opportunities in Production of Dicyandiamide (DCDA)

Dicyandiamide is a strongly alkaline and water-soluble white crystalline compound with the scientific name of cyanoguanidine. The chemical is the dimer of cyanamide or cyanoguanidine, which is mainly used in the production of melamine. Dicyandiamde is also used as a curing agent for epoxy resins and laminates for circuit boards, powder coatings and adhesives.

Dicyandiamide is an intermediate for melamine production and is the basic ingredient of amino plastics and resins. It is used in the production of a wide range of organic chemicals including slow and continuous nitrogen release fertilizers, fireproofing agents, epoxy laminates for circuit boards, powder coatings and adhesives, water treatment chemicals, dye fixing, leather and rubber chemicals, explosives and pharmaceuticals. It is extensively used as an excellent additive for plastic packages for food stuff and intermediates of pharmaceuticals.

Dicyanamide, also known as dicyanamine, is an anion having the formula C2N–3. It contains two cyanide groups bound to a central nitrogen anion. The chemical is formed by decomposition of 2-cyanoguanidine. It is used extensively as a counterion of organic and inorganic salts, and also

as a reactant for the synthesis of various covalent organic structures.

Dicyandiamide Market size should observe lucrative CAGR from 2019 to 2025 in the coming years due to developments in the water treatment industry. Dicyandiamide or cyanoguanidine is a free-flowing white colored versatile chemical with diverse applications. Extensive use of the product in wastewater treatment plants as a decoloring agent or flocculating agent will drive the market in coming years.

PROJECT COST ESTIMATE

CAPACITY

Dicyandiamide (DCDA)	: 5 MT Per Day
Plant & Machinery	: ₹ 45 Lakhs
Cost of Project	: ₹ 270 Lakhs
Rate of Return	: 29%
Break Even Point	: 57%

Profitable Industry of Feldspar Processing

Feldspar is an important raw material for ceramic, glass, pottery, plastics, rubber, paint, electrical wire and glazing industries. The demand of feldspar has been continuously increased particularly on ceramic and glass industries due to its alumina and alkaline contents. Feldspar, a fluxing agent and glass matrix, does not only enhance the transparency of products, but also reduces the melting temperature. As a result, the energy consumption during ceramic and glass manufacturing can be reduced by using feldspar.

Feldspar is a term used to describe a group of aluminosilicate minerals containing sodium, potassium and calcium. Sodium-rich feldspar is called albite, having an empirical formula of NaAlSi308, whereas the terms orthoclase and artorthite are used to describe potassium and calcium rich feldspar respectively. Feldspar is regarded as the most abundant group of minerals which can be found on the earth's crust.

The global feldspar market size was valued at USD 1.61 billion in 2019 and is expected to grow at a compound annual growth rate (CAGR) of 4.9% from 2020 to 2027. The growth of the market is largely influenced by the dynamics of the glass and ceramics industries. The distinctive chemical constituents present in the product, such as potassium oxide, sodium oxide, and alumina, play a key role in promoting its usage across the glass and ceramics sector. The product is largely used in its ground form between 20 mesh to 200 mesh in glassmaking and ceramics filler application.

PROJECT COST ESTIMATE

CAPACITY

Feldspar Concentrate	: 240 MT Per Day
Plant & Machinery	: ₹ 573 Lakhs
Cost of Project	: ₹ 2441 Lakhs
Rate of Return	: 26%
Break Even Point	: 61%

Setup an Unsaturated Polyester Resin Plant

Polyester resins such as these are of the 'unsaturated' type. Unsaturated polyester resin is a thermoset, capable of being cured from a liquid or solid state when subject to the right conditions. It is usual to refer to unsaturated polyester resins as 'polyester resins', or simply as 'polyesters'. There is a whole range of polyesters made from different acids, glycols and monomers, all having varying properties.

UP Resins are widely used in a host of applications where advantage may be taken of their good range of mechanical properties, corrosion resistance and low weight. Un-reinforced versions are most commonly used for clear casting resins, coatings, buttons, body fillers, work-surfaces (such as polyester marble), polyester concrete (for applications such as road drainage) and in the manufacture of Gel Coats (applied to composite materials to improve the surface finish).

Unsaturated polyester resins are the condensation products of unsaturated acids or anhydrides and diols with/without diacids. The unsaturation present in this type of polyesters provides a site for subsequent cross-linking.

The UPRs are widely used in the building & construction industry. The growth of the construction industry is an important indicator of a country's development, as it creates investment opportunities across various related sectors. This growth in the construction industry is projected to propel the demand for FRP products. This would lead to growth in demand for UPRs in diverse applications.

PROJECT COST ESTIMATE

CAPACITY

Unsaturated Polyester Resin	: 5 MT Per Day
Plant & Machinery	: ₹ 166 Lakhs
Cost of Project	: ₹ 485 Lakhs
Rate of Return	: 27%
Break Even Point	: 49%

Manufacturing of MS Fasteners *(Screws, Nut and Bolts)*

Fastener may be defined as any device, method or component used to hold or FASTEN two or more engineering components together. Fastener Material can be important when choosing a fastener due to keeping in view the strength, brittleness, corrosion resistance, galvanic corrosion properties. Cost of course an important factor which determines which materials to choose from.

A screw is a broad category of mechanical fastener with a threaded shaft, designed to screw into a part. This includes wood screws and self-tapping screws, which have a tapered shaft with sharp threads designed to cut a mating thread in the part to which they are fastened. It also includes machine screws, which much more closely resemble bolts, but their entire shaft is normally threaded.

PROJECT COST ESTIMATE

CAPACITY

Zinc Coated High Tension Bolt (Size M5 to M20)	: 16 MT Per Day
Zinc Coated High Tension Screw (Size M5 to M20)	: 8 MT Per Day
High Tension Nut (Size M5 to M20)	: 8 MT Per Day
Plant & Machinery	: ₹ 116 Lakhs
Cost of Project	: ₹ 758 Lakhs
Rate of Return	: 29%
Break Even Point	: 57%

Nuts and Bolts are most commonly used items in the family of industrial fasteners and their demand is fast increasing due to expansion of industries in the country. Bolt is a piece of metal rod whose one end is upset and at the other end threading is done. Nut is a device which rolls on bolt threads. In nuts, internal threading is done while bolts bear external thread. Screw, demonstrate their true merit in the movements, assembly etc, of wooden components. Screws are most popular as fasteners which assemble, or join parts together to be made into a complete unit.

Emerging Business of Shrimp Processing (EOU)

Shrimp are decapod crustaceans with elongated bodies and a primarily swimming mode of locomotion – most com-

monly Caridea and Dendrobranchiata. More narrow definitions may be restricted to Caridea, to smaller species of either group or to only the marine species. Under a broader definition, shrimp may be synonymous with prawn, covering stalk-eyed swimming crustaceans with long, narrow muscular tails (abdomens), long whiskers (antennae), and slender legs. Any small crustacean which resembles a shrimp tends to be called one.

Shrimp are widespread and abundant. There are thousands of species adapted to a wide range of habitats. They can be found feeding near the seafloor on most coasts and estuaries, as well as in rivers and lakes. To escape predators, some species flip off the seafloor and dive into the sediment. They usually live from one to seven years. Shrimp are often solitary, though they can form large schools during the spawning season.

PROJECT COST ESTIMATE
CAPACITY

Shrimp Processing (per Pack 1 Kg Size)	: 19,500 Kgs Per Day
Plant & Machinery	: ₹ 202 Lakhs
Cost of Project	: ₹ 1465 Lakhs
Rate of Return	: 30%
Break Even Point	: 57%

The seafood market size was valued at $159,311.9 million in 2019, and is projected to reach $193,913.6 million by 2027, registering a CAGR of 2.5% from 2020 to 2027. The fish segment was the highest contributor to the market, with $101,526.2 million in 2019, and is estimated to reach $125,914.3 million by 2027, at a CAGR of 2.7% during the forecast period. The growth of the seafood market can be attributed to increase in awareness of the health benefits regarding seafood and change in lifestyle of the consumers. Non-vegetarian consumers are slowly changing their lifestyle and significantly following pescetarianism. Pescetarianism refers to vegetarian food along with seafood but does not include any meat such as beef, pork, poultry, and others. This shift is observed due to consumers' preference for healthy diet. As meat & meat products often contain harmful pesticides and chemicals, their high consumption can be dangerous.

Production of Crumb Rubber Powder *from Waste Tyres*

Crumb rubber is a term usually applied to recycled rubber from automotive and truck scrap tires. There are two major technologies for producing crumb rubber – ambient mechanical grinding and cryogenic grinding. Of the two processes, cryogenic process is more expensive but it produces smoother and smaller crumbs.

Waste tyre recycling technology is very cost effective and performs 100% wastage tyre recycling (No churn left after the process). In this process no chemical ingredients are used, therefore it is environment friendly. Raw material (scrap tyre) is cheap and easily available, Generate economically valuable products out of waste tyres and products have good market value and demand.

There is a rapid market increase of rubber powder in India. Demand of rubber powder in India is increased by 5%-8%. There is fair scope of this product. Every year over 1.6 billion new tires are generated and around 1 billion of waste tires are generated. However, the recycling industry processed only 100 million tires every year. The tire is extensively designed with several complex processes which makes it indestructible in nature and creates difficulty in the recycling of tires.

Furthermore, the growing implementation of crumb rubber generated from scrap tires is supporting the growth of the tire recycling market. In 2016, over 30% of crumb rubber used on sports fields and 25% of crumb rubber used as playground surfacing which is expected to create a significant disruption of the tire recycling market. Application of rubberized asphalt for the construction of pavements is also generating a pool of opportunities for tire recyclers and is expected to fuel the growth of the tire recycling market in the near future.

PROJECT COST ESTIMATE
CAPACITY

Crumb Rubber Powder	: 24 MT Per Day
By Product Steel Wire	: 4.8 MT Per Day
Plant & Machinery	: ₹ 115 Lakhs
Cost of Project	: ₹ 426 Lakhs
Rate of Return	: 28%
Break Even Point	: 66%

Investment Opportunities in Business of IV Fluids *(BFS Technology)*

Intravenous fluids are fluids which are intended to be administered to a patient intravenously, directly through the circulatory system. These fluids must be sterile to protect patients from injury, and there are a number of different types available for use. Many companies manufacture packaged intravenous fluids, as well as products which can be mixed with sterile water to prepare a solution for intravenous administration.

Intravenous fluids can be broken into two broad groups. Crystalloids such as saline solutions contain a solution of molecules which can dissolve in water. When crystalloids are administered, they tend to create low osmotic pressure, allowing fluid to move across the blood vessels, and this can be linked with edema. Colloids contain particles which are not soluble in water, and they create high osmotic pressure, attracting fluid into the blood vessels. Blood is an example of a commonly administered intravenous colloid.

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

PROJECT COST ESTIMATE
CAPACITY

IV Fluids (500 ml Size Bottle)	: 50,000 Bottles Per Day
Plant & Machinery	: ₹ 3449 Lakhs
Cost of Project	: ₹ 4089 Lakhs
Rate of Return	: 20%
Break Even Point	: 41%

One of the prime areas wherein intravenous (IV) fluids find usage is severe dehydration. Severe dehydration is seen in diseases such as diarrhea, resulting in the depletion of fluids from the body. According to the WHO, in 2017, diarrhea was the second leading cause of death in children under 5 years of age with around 5,25,000 lives lost each year. Intravenous (IV) fluids can play a key role in the treatment and prevention of deaths caused due to the dehydration/fluid loss associated with diarrhea.

Opportunities in Business of Disposable Plastic Syringes

Disposable Syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the age-old glass syringes. The constantly increasing use of this type Syringe indicates its importance which is based mainly on the advantages it offers regarding cost and hygienic applications

Disposable syringes commonly are used in modern medicine for the injection of drugs and vaccines or for the extraction of blood. Among the common uses of disposable syringes are the injecting of insulin by a diabetic person and the administering of a local anesthesia by a dentist.

Disposable syringes sometimes are used for

drawing blood samples. They allow greater precision than evacuated tube systems, so syringes used together with butterfly needles often are favored when drawing blood from children, from adults who have thin blood vessels or from patients who are suffering from muscle spasticity or nervous tremors. They also are used when blood is being drawn from a vessel very close to the skin, such as those in the wrists and hands.

Disposable syringes currently control the largest market share in terms of revenue in Indian syringes and needles market. As per estimates, Indian disposable syringes market is expected to grow at a CAGR of 15% till 2021 and maintain its market share position even in 2020.

PROJECT COST ESTIMATE

CAPACITY

Disposable Plastic Syringes with Needles 1 ml Size each Packed in Polypack	: 62,500 Nos Per Day
Disposable Plastic Syringes with Needles 2 ml Size each Packed in Polypack	: 62,500 Nos Per Day
Disposable Plastic Syringes with Needles	: 62,500 Nos Per Day
Disposable Plastic Syringes with Needles 10 ml Size each Packed in Polypack	: 62,500 Nos Per Day
Plant & Machinery	: ₹ 441 Lakhs
Cost of Project	: ₹ 2149 Lakhs
Rate of Return	: 34%
Break Even Point	: 40%

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.

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%

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.

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 in to wire. Galvanized M.S. Wire has versatile use in producing different Engineering items such as Building Hardwares, barbed wires, Screens rivets etc. Galvanised M.S. Wire offers better surface protection at lower cost in humid atmosphere.

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%

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.

Controlled Atmosphere Cold Storage

Controlled atmosphere storage is a system for holding produce in an atmosphere that differs substantially from normal air in respect to CO2 and O2 levels. Controlled atmosphere storage refers to the constant monitoring and adjustment of the CO2 and O2 levels within gas tight stores or containers. Controlled atmosphere (CA) storage involves maintaining an atmospheric composition that is different from air composition (about 78% N2, 21% O2, and 0.03% CO2); generally, O2 below 8% and CO2 above 1% are used. Control Atmosphere cold storage mainly used for long-term storage of perishable fruits. In this type of cold storage, apart from temperature concentration of oxygen, carbon dioxide, ethylene and nitrogen is maintain as per the requirement of the storage material.

The estimated annual production of fruits and vegetables in the country is about 130 million tonnes accounting to 18 per cent of our agricultural output. Moreover, the lack of cold storage and cold chain facilities are becoming major bottlenecks in tapping the vast potential. Govt. of India promoting cold storage warehouse investments by providing subsidies up to 50% to 75% on Investment. The nationalized banks of India are also proving loans for cold storage projects. In the recent time cabinet also approved the amount of 6000 crore rupees for mega food processing projects. The country requires 3.5 crore tonne capacity cold storage facilities and this is a right time for starting a business in cold storage.

PROJECT COST ESTIMATE

CAPACITY

CA Cold Store for Seasonal Fruits Like Apple	: 10,000 MT Per Annum
Plant & Machinery	: ₹ 690 Lakhs
Cost of Project	: ₹ 1195 Lakhs
Rate of Return	: 29%
Break Even Point	: 53%

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 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.

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%

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 whiting or removing the natural color of textile fibers, yarns, wood pulp, paper and other products by chemical reaction and also is 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.

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%

Calcium Silicate Insulation Board

Calcium silicate is the chemical compound Ca2SiO4, also known as calcium or the silicate and sometimes formulated 2CaO.SiO2. It is one of a group of compounds obtained by reacting calcium oxide and silica in various ratios e.g. 3CaO.SiO2, Ca3SiO5, 2CaO.SiO2, Ca2.SiO4; 3CaO2.SiO2, Ca3Si2O7 and CaO. SiO2, CaSiO3. 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. Frequent and widespread 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.

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%

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 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 sug-

ar-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.

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%

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 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.

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%

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%

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.

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%

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.

Activated Charcoal from Wood

Activated charcoal of three grades namely powder, granular and pelletized finds hundreds of different applications. By chemical activation, predominantly powder activated charcoals are made and these qualities are mostly used for wastewater treatment. Granular products and pellets used for gas purification are predominantly made by gas steam activation. To cite some examples from the numerous applications: decolorization of sugar and sweeteners, drinking water treatment, gold recovery, production of pharmaceuticals and fine chemicals, catalytic

process, off gas treatment of waste incinerators, automotive vapor filters, color/odor correction in wines and fruit juices.

Wood activated charcoal market has been segregated based on product, application, end-user and region. The product segment comprises powdered and granular wood activated charcoal. Among these, powdered form will hold over two-thirds of the entire wood activated charcoal industry in 2024. As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE
CAPACITY

Capacity	: 1,200 MT Per Annum
Plant & Machinery	: ₹ 216 Lakhs
Cost of Project	: ₹ 498 Lakhs
Rate of Return	: 27%
Break Even Point	: 56%

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%

Dish Wash *(Liquid & Soap Bar)* and Detergent *(Liquid Soap Bar and Powder)*

Detergents are defined as complete washing or cleaning products, which contain among their ingredients an organic surface-active compound (Surfactant) that passes soil-removal properties. Frequently the term detergent is used synonymously with surfactant but common industry practice treats the surfactant as one component of a done here.

Detergent cake, detergent powder and liquid detergent are largely used in the domestic houses, commercial sectors, hotel industries, garment industries and in many other sections of the society. There is high price, medium price and low priced detergent available.

The detergent market in India is expected to have a growth rate of 7 % to 9 % per year in terms of volume. The detergent sector, with its increasing ability to influence consumers through advertisements, is rapidly expanding its market. Due to the increase in population, higher urbanization, spread of education and rising levels of income and consumption, the overall growth of the detergent market has been in double digits from last several years. There are different kinds of raw material used in the industries. There is large demand of this consumer item. Thus, as an entrepreneur this project offers an exciting opportunity to you.

PROJECT COST ESTIMATE
CAPACITY

Dishwash Liquid	: 300,000Kgs/Annum
Dishwash Soap Bar	: 300,000 Kgs/Annum
Detergent Liquid	: 300,000 Kgs/Annum
Detergent Soap Bar	: 300,000 Kgs/Annum
Detergent Powder	: 300,000 Kgs/Annum
Plant & Machinery	: ₹ 32 Lakhs
Cost of Project	: ₹ 204 Lakhs
Rate of Return	: 27%
Break Even Point	: 61%

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.

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%

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.

Agar Agar

Agar-agar is a mixture of Polysaccharides (agarose+agaropectine) of a high molecular weight. Agar-agar belongs to the family of galactan polysaccharides. Agar has been used as an ingredient in desserts throughout Asia, and also as a solid substrate to contain culture media for microbiological work. Agar can be used as a laxative, an appetite suppressant, a vegetarian substitute for gelatin, a thickener for soups, in fruit preserves, ice cream, and other desserts, as a clarifying agent in brewing, and for sizing paper and fabrics.

PROJECT COST ESTIMATE
CAPACITY

Agar Agar	: 500 Kgs./Day
Plant & Machinery	: ₹ 211 Lakhs
Cost of Project	: ₹ 697 Lakhs
Rate of Return	: 27%
Break Even Point	: 43%

The global agar market size was estimated at USD 255.18 million in 2018 and is anticipated to grow at a CAGR of 5.1% from 2018 to 2023. The exponential growth in the usage of this product is attributed to its various functional and health benefits. It contains 80% fiber and can be used as an appetite suppressant. As a whole any entrepreneur can venture in this project without risk and earn profit.

Fresh Dips

Fresh DIP is a creamy liquid that is served with food or used to prepare foods. Sauces add flavor and moisture to food and enhance the palatability of food. Few of the major sauces that are consumed in the US are ketchup, soy sauce, mustard sauce, tabasco, and sriracha. Dressings are used for garnishing and adding taste to food, especially salads, burgers, sandwiches, and other snack items. Some of the widely used dressings are mayonnaise, vinaigrettes, Italian

dressings, and Russian dressings. Dips are creamy, paste-like dressings that are generally consumed with breads, nachos, French fries, vegetables, and salad.

The global sauces market is presumed to register a remarkable CAGR during the forecast period (2017-2023) owing to the incessant demand for flavor enhancers, asserts Market Research Future (MRFR). Sauces are referred to as fluids or semi-solid paste which are generally used as condiments across the food industry. Sauces are used as food additive as it enhances the flavor of food. They are also used as topping or dips and are popular for its rich taste. Sauces are low in saturated fat and sodium which further add to its nutritional value. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE

CAPACITY

Fresh Dips 50 gms Size Pkts	: 1,500,000 Pkts Per Annum
Fresh Dips 20 gms Size Pkts	: 3,750,000 Pkts Per Annum
Plant & Machinery	: ₹ 30 Lakhs
Cost of Project	: ₹ 213 Lakhs
Rate of Return	: 30%
Break Even Point	: 59%

Ready Mix Coating Powder

Used for Coating of Pharmaceuticals Tablets for Regular fill Coating and Functional Film Coating

In pharmaceutical drug delivery of solid oral dosage forms film coatings are frequently applied. The motivation for coating dosage forms range from cosmetic considerations (colour, gloss), improving the stability (light protection, moisture and gas barrier) and making it easier to swallow the tablet. In addition, functional coatings can be used to modify the drug release behaviour from the dosage form. A film coating is a thin polymer-based coat applied to a solid dosage form such as a tablet. The thickness of such a coating is usually between 20-100 µm. The Indian excipient market is expected to grow at the rate of 10–12 percent until 2020. The excipients are priced at 5–7 percent lesser in India v which facilitates the development of new technologies and ensure a high quality product.

PROJECT COST ESTIMATE

CAPACITY

Regular Film Coating Powder	: 400 Kgs/Day
Functional Fim Coating Powder	: 400 Kgs/Day
Plant & Machinery	: ₹ 19 Lakhs
Cost of Project	: ₹ 172 Lakhs
Rate of Return	: 28%
Break Even Point	: 59%

Biodegradable Plastic Pellets

- *Corn Starch Thermoplastic & Polyvinyl Alcohol*
- *PBAT & Corn Starch Thermoplastic*
- *PLA + PBAT + Corn Starch Thermoplastic*
- *PLA + PBAT + CaCO3*

Among the biodegradable polymers made from renewable resources, starch is probably the most renewable naturally biodegradable polymer source because it is versatile, cheap, and abundant. It shows compatibility with extrusion processes used in the manufacture of conventional films and in the presence of a plasticizer it produces a material with thermoplastic characteristics, known as thermoplastic starch (TPS). As a result, TPS is often blended with other polymers, such as poly (butylene adipate-co-terephthalate) (PBAT) and biodegradable aliphatic-aromatic copolyester, which combines biodegradability with other desirable physical properties.

PROJECT COST ESTIMATE

CAPACITY

Biodegradable Plastic Pellets	: 1,200,000 Kgs Per Annum
Plant & Machinery	: ₹ 128 Lakhs
Cost of Project	: ₹ 407 Lakhs
Rate of Return	: 29%
Break Even Point	: 48%

The massive use of synthetic plastics, in particular in the food packaging area, has a great environmental impact, and alternative more ecologic materials are being required. Poly(lactic) acid (PLA) and starch have been extensively studied as potential replacements for non-degradable petrochemical polymers on the basis of their availability, adequate food contact properties and competitive cost. Indeed, plastics represent the second most widely used material for food packaging applications, after paper and cardboard.

Camphor *(Powder & Tablets)*

Camphor (Cinnamomumcamphora) is a white, crystalline substance with a strong odor and pungent taste, derived from the wood of camphor laurel (Cinnamomumcamphora) and other related trees of laurel family. Camphor is obtained through steam distillation, purification and sublimation of wood, twigs and bark of the tree.

PROJECT COST ESTIMATE

CAPACITY

Camphor Powder	: 2,500 Kgs Per Day
Camphor Tablets	: 2,500 Kgs Per Day
Plant & Machinery	: ₹ 231 Lakhs
Cost of Project	: ₹ 674 Lakhs
Rate of Return	: 28%
Break Even Point	: 61%

There are many pharmaceutical applications for camphor such as topical analgesic, antiseptic, antispasmodic, antipruritc, antiinflammatory, anti¬infective, rubefacient, contraceptive, mild expectorant, nasal decongestant, cough suppressant, etc. The Company is a chemicals manufacturer and has Terpenes and Synthetic Camphor as primary segments. Both segments of Company have performed well in F.Y. 2017-18. Company has achieved Net Sales Turnover of Rs. 244.24 Cr. with a Profit after Tax of Rs. 14.32 Cr. during F.Y. 2017-18. approximately 90% of the revenue has come from Terpene Chemicals. Camphor is transparent solid flammable compound with odorant fragrance. Basically it is obtained from the tree i.e. Camphor laurel tree which is also known as the kapur tree a large evergreen tree found in Asia. Moreover, camphor can be produced synthetically from the turpentine oil derived from the rosin. Sublimation properties give its several uses.

Fish Flavoured Chips

A snack is a small service of food and generally eaten between meals. Snacks come in a variety of forms including packaged snack foods and other processed foods, as well as items made from fresh ingredients at home. Snack foods are typically designed to be portable, quick, and satisfying. Processed snack foods, as one form of convenience food, are designed to be less perishable, more durable, and more portable than prepared foods. A chip (American English and Australian English) or crisp (British English) is any type of snack food in the form of a crisp, flat or slightly bowl shaped, bite-sized unit. Puffed cheese snacks do not count.

The Indian chips market, sized at Rs 7,000-7,500 crore according to Euro monitor, has been growing at a robust pace of 15% over the past five years and going forward, is

expected to grow at a similar pace. Growth will come from rising disposable incomes, changing lifestyles, product innovations and strengthening of distribution to have better selling opportunities in lower-tier cities and rural areas, the report goes on to state. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE
CAPACITY

Fish Flavoured Chips	: 1000 Kg/Day
Plant & Machinery	: ₹ 46 Lakhs
Cost of Project	: ₹ 252 Lakhs
Rate of Return	: 26%
Break Even Point	: 64%

Hot Melt Adhesives
(For Book Binding, Packaging and Courier Bag)

Melt adhesives are bonding agents which achieve a solid state and resultant strength by cooling as contrasted with other adhesives which achieve the solid state through evaporation or removal of solvents. Prior heating, a hot-melt adhesive is a thermoplastic, 100 percent solid material, all adhesive. Application of heat brings the material to the liquid state, and after removal of the heat, it sets by simple cooling. Hot Melt Adhesives be defined as adhesives that melt and flow on application of heat and solidifies on cooling to give a strong adhesion. Hot melt adhesives are solvent-free, solvent-free, solid compounds that have negligible or no VOC (volatile organic compound) compared to solvent-based adhesives.

The global market for hot melt adhesives is gaining significant impetus from the rise in the trading activities, leading to a high demand for packaging. The increasing construction activities across the world is also fueling the need for hot melt adhesives substantially. On the other hand, the volatility in crude oil prices and the easy availability of substitutes are likely to create hindrances in the higher adoption of hot melt adhesives across the world in the years to come. The global Hot Melt Adhesives (HMA) market size exceeded USD 6.60 billion, globally in 2018 and is estimated to grow at over 6.4% CAGR between 2019 and 2022, projected to reach USD 9.46 billion by 2022, in terms of value. The HMA market is driven by the increasing demand for HMA from applications such as packaging solutions, nonwoven hygiene products, and consumer DIY. As a whole any entrepreneur can venture in this project without risk and earn profit.

PROJECT COST ESTIMATE
CAPACITY

Hot Melt Adhesive for Book Binding	: 300 Kgs / Day
Hot Melt Adhesive for Packaging	: 250 Kgs / Day
Hot Melt Adhesive for Courier Bag	: 250 Kgs / Day
Plant & Machinery	: ₹ 96 Lakhs
Cost of Project	: ₹ 283 Lakhs
Rate of Return	: 23%
Break Even Point	: 55%

Porcelain Insulator

Electricity play a vital role in the development and growth of Agriculture and Industry, as it is a high priority item for all the developing or developed nations. For the generation and distribution of Electricity, High Tension Insulators are an important adjusts.

Insulators have very few free electrons and do not transfer electrical energy well. An electrical insulator is a material whose internal electric charges do not flow freely, and therefore make it nearly impossible to conduct an electric current under the influence of an electric field. This contrasts with other materials, semiconductors and conductors, which conduct electric current more easily. The property that distinguishes an insulator is its resistivity; insulators have higher resistivity than semiconductors or conductors. The end type insulator is used on all distribution lines and on low voltage transmission lines.

World is experiencing a tremendous expansion of industrial and real estate sectors and accompanied by a massive increase in the need for electric power energy due to the essential role of the electric power in the development and growth in all areas of life. This huge demand of the electrical power bodes market demand for large investments in the field of electric power and its support services industry. Thus, as an entrepreneur this project offers an exciting opportunity to you.

PROJECT COST ESTIMATE
CAPACITY

Insulator (HT & LT)	: 3,500MT/Annum
Plant &Machinery	: ₹ 131 Lakhs
Cost of Project	: ₹ 1010 Lakhs
Rate of Return	: 25%
Break Even Point	: 51%

Fractionation of Turpentine Oil

Turpentine is an essential oil obtained from pine trees. It is one of the most important substances with many applications, being widely used as a solvent in chemical industries, resins and as an ingredient in paints. Uttarakhand, Himachal, J & K, and Assam are extremely rich in pine forests. Highly purified α-pinene can be obtained by vacuum-fractional distillation of turpentine that has to reach 97% purity.

Pine oils are also widely utilized in cleaning & home products owing to their superior antibacterial and antiseptic properties. Other uses includes Ore-dressing Agent, Textile Degreaser, Bactericide, Fragrance, Others Customers are keen on specialized products as various applications require specific characteristics and ingredients.

Pine Oil (CAS 8002-09-3) Market is predicted to discover Vigorous Growth by 2021.Throughout the world every industry is spending a large amount in Research for future expansion. Growing consumer preference for natural products has led to the development of innovative applications in personal care and cleaning products. Rapid industrialization and increasing disposable consumer income are the other major factors driving the market growth, mainly in developing countries such as China, India, Vietnam, and Thailand. Thus, as an entrepreneur this project offers an exciting opportunity to you.

PROJECT COST ESTIMATE
CAPACITY

Turpentine Oil	: 3,000,000 Ltr/Annum
Plant & Machinery	: ₹ 82 Lakhs
Cost of Project	: ₹ 425 Lakhs
Rate of Return	: 30%
Break Even Point	: 52%

Electric PCC Poles

Pre-Stressed Cement Concrete Poles (PCC Poles) are highly durable and strong. PCC Poles are fabricated from excellent quality concrete material. These poles are used extensively in electrical industry, for establishing electrical connections and fittings. PCC poles are available in different dimensions and weight depending on the requirement. The poles are eco-friendly and require very low maintenance. The PCC poles have consistent material properties throughout their length. PCC poles are not susceptible to rot and decay. The PCC pole has the same strength throughout its service life. PCC poles are not susceptible to insect and animal attack.

The PCC pole market is expected to reach an estimated $52.1 billion by 2024 with a CAGR of 4.1% from 2019 to 2024. The major growth drivers for this market are increas-

ing power generation capacity, growing transmission and distribution infrastructure, and replacement of aging networks. Emerging trends which have a direct impact on the dynamics of the market include wider use of transmission poles and increased usage of composite poles in transmission and distribution. As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE
CAPACITY

Electric Pre-stressed Concrete Cement Poles	: 24,000 Nos. Per Annum
Plant & Machinery	: ₹ 284 Lakhs
Cost of Project	: ₹ 487 Lakhs
Break Even Point	: 64%

Cross-Linked Sodium Carboxymethyl Cellulose

Cross-linked sodium carboxymethyl cellulose is also known as croscarmellose sodium or modified cellulose gum. Crosslinked sodium carboxymethylcellulose (CMC), croscarmellose, is prepared by the reaction of Na-CMC with acids. The raw material is usually a high viscosity sodium CMC with a low degree of substitution. The cross-linking reduces water solubility while still allowing the material to swell (like a sponge) and absorb many times its weight in water. As a result, it provides superior drug dissolution and disintegration characteristics. Cross-linked sodium carboxymethyl cellulose is used in tablets of table-top sweeteners and dietary food supplements, as it facilitates disintegration in aqueous solutions, with a maximum level of use of 30 g/kg.

The global carboxymethyl cellulose (CMC) market was estimated at $1,151.7 Million in 2014 and is projected to register a CAGR of 4.2% between 2015 and 2020. Carboxymethyl cellulose (CMC) or cellulose gum is a cellulose derivative with carboxymethyl group in its chain. CMC is physiologically inert, chemically stable, odorless and tasteless substance which safe for health and environment. The growth of processed food industry, increasing pharmaceutical and cosmetics production, and the growing oil drilling activities are the major factors driving the growth of CMC market. As a whole entrepreneur can venture in this field will be successful.

PROJECT COST ESTIMATE
CAPACITY

Cross Linked Sodium Carboxymethyl Cellulose	: 1000 Kgs./Day
Plant & Machinery	: ₹ 34 Lakhs
Cost of Project	: ₹ 144 Lakhs
Rate of Return	: 27%
Break Even Point	: 70%

Grapes Packing for Exports *with 100 MT Cold Storage*

A grape is a fruit, botanically a berry, of the deciduous woody vines of the flowering plant genus Vitis. Grapes can be eaten fresh as table grapes or they can be used for making wine, jam, juice, jelly, grape seed extract, raisins, vinegar, and grapeseed oil. Table grapes are most often packaged in plastic punnets, such as clamshells. These punnets are then placed in a cardboard crate.The processes at the export packhouse include: receipt of raw material at packhouse; weighing and acceptance of produce; trimming, sorting and grading; weighing, packing and coding; pre-cooling; sulphur dioxide padding; palletization; storage (cold stores); container loading; and transportation.

PROJECT COST ESTIMATE
CAPACITY

Grapes Packing for Exports	: 4 MT/Day
Plant & Machinery	: ₹ 294 Lakhs
Cost of Project	: ₹ 708 Lakhs
Rate of Return	: 28%
Break Even Point	: 61%

Grapes account for 2.7 percent of production and 1.4 percent of total fruit area in India. India is a small producer of grapes, with a world share of less than 2 percent. India produced more than 1.2 million tonnes of grapes from 0.11 million ha. Grapes are one of India's important fruit exports, with a 9.1 percent share in all fruit and nut export. As a whole any entrepreneur can venture in this project without risk and earn profit.

Ladies under Garments

Hosiery industry is an ancient industry in the field of textile industry having very good potential in domestic market and also in the export market. Ludhiana in the state of Punjab is one of the largest and oldest centres of Hosiery industry in India.

PROJECT COST ESTIMATE
CAPACITY

Bra	: 450,000 Pcs/Annum
Panties	: 450,000 Pcs/Annum
Plant & Machinery	: ₹ 121 Lakhs
Cost of Project	: ₹ 270 Lakhs
Rate of Return	: 28%
Break Even Point	: 56%

Lingerie has been an intimate part of a woman's life since long. They are considered as an important garment among females for properly supporting and covering their sensitive body parts, it keeps them fit for daily general works. The market was highly fragmented and was dominated by local and unorganized brands.

Between 2000 and 2008, premium international brands started foraying into the Indian market. Indian brands showcased new designs and styles to woo the new age Indian women. The focus was mainly on the width of the product range. Men's and women's innerwear began to be sold through a variety of retail formats such as EBOs, LFS and departmental stores. India's lingerie market is currently valued at $3 billion. A mere 1% of it is online. In the next few years the market value is projected to jump to $5 billion. As a whole it is a good project for new entrepreneurs to invest.

Canvas Shoes (Vulcanized Rubber)

Footwear refers to garments worn on the feet, which originally serves to purpose of protection against adversities of the environment, usually regarding ground textures and temperature. The design of shoes has varied enormously through time and from culture to culture, with appearance originally being tied to function. High fashion shoes may be made of very expensive materials in complex construction and sell for thousands of dollars a pair. Other shoes are for very specific purposes, such as boots designed specifically for mountaineering or skiing.

PROJECT COST ESTIMATE
CAPACITY

Canvas Shoes	: 1200,000 Pairs/Annum
Leather Shoes	: 900,000 Pairs/Annum
Plant & Machinery	: ₹ 607 Lakhs
Cost of Project	: ₹ 1006 Lakhs
Rate of Return	: 30%
Break Even Point	: 64%

The shoes market, like most other product markets has diverse segmentations. First, by material of construction (leather, canvas and etc.,) second, by consumer variation (men's, women's) third, by usage pattern (formal shoes, casual and informal shoes)fourth, by types of shoes (military or police boots, formal dress, closed and pump shoes) and fifth, by price range (high-end over Rs. 1500 per pair going beyond Rs. 3000 per pair, medium priced shoes between

Rs. 250 to Rs. 1500 per pair, and low-priced shoes below Rs. 250 per pair).

The global footwear market is predominantly dictated by consumer trends. The surging demand for designer yet comfortable shoes among women and sportswear or athletic shoes among men have been bolstering opportunities for footwear sales. This increasing focus on sportswear will bolster opportunities for the footwear market. By the end of 2023, the market is expected to reach US$258.21 bn. As a whole it is a good project for new entrepreneurs to invest.

Aloe Vera Gel and Powder

Aloe Vera Gel is one of the product prepared from aloe vera itself. Aloe vera Gel has very good medicine for external use for sun burning and pain killer. It has various medicinal values which makes very good commercial value.

PROJECT COST ESTIMATE
CAPACITY

Aloevera Gel	: 90,000 Kgs/Annum
Aloevera Powder	: 15,000 Kgs/Annum
Plant &Machinery	: ₹ 42 Lakhs
Cost of Project	: ₹ 164 Lakhs
Rate of Return	: 27%
Break Even Point	: 49%

Aloe Vera Powder is composed of the freeze-dried inner "gel" of aloe leaf plant. Spray drying and freeze drying are the most common methods of producing aloevera powder from gel.

The global aloe vera extracts market revenue is anticipated to expand at a CAGR of over 7.7% in terms of value and 7.4%, in terms of volume during the forecast period. Factors such as increasing trend of consumers towards healthy lifestyle, coupled with increased usage of aloe vera extracts as an ingredient by food, pharmaceutical and cosmetics industries is fuelling market growth across the globe.

Cosmetics, the largest end-use sector for aloe vera extracts, will account for over 45% of global demand in 2016, with annual volumes totalling 27,458.5 tonnes– an increase of 6% over 2015. Thus, due to demand it is a good project for entrepreneurs to invest.

Autoclaved Aerated Concrete Blocks (AAC Blocks)

Autoclaved Aerated Concrete (AAC) is a non-combustible, lime-based, cementitious building material that is expanding into new worldwide markets. In our country aerated techniques have been developed for about 40 years, and its technique skills and equipments are becoming mature.

The AAC has the features of light bulk density, good thermal insulation properties and sound-absorption, certain strength and process ability, and its raw materials is very rich, especially the reuse of fly ash enables the comprehensive utilization of industrial residue, curbs environmental pollution, no destroy on farmland, create good social and economic benefits.AAC is an ideal alternative of the traditional clay brick wall materials. This is a light- weight building material produced by autoclaving a set mix of fine siliceous materials such as ground sand or fly ash and a binder like Portland cement or lime.

PROJECT COST ESTIMATE
CAPACITY

AAC Blocks	: 500 Cu.Mtr./Day
Plant & machinery	: ₹ 601 Lakhs
Cost of project	: ₹ 1415 Lakhs
Rate of Return	: 25%
Break Even Point	: 50%

AAC products are equally suitable for residential construction, multistory buildings, commercial, and industrial construction.

The autoclaved aerated concrete sector of the construction industry is now in the phase of a tremendous growth cycle. AAC Reduces Additional Material Use and Minimizes Waste and Pollution. The main benefits of autoclaved aerated concrete over other cladding materials are its good strength-to-weight ratio, its mobility and, because it is a non-combustible material, its fire performance. There will be phenomenal growth in autoclaved aerated industry in the near future. It is estimated that by 2025 about 66 per cent of the world population will live in urban areas on 7 per cent of the land, which means that urbanization will be on a small portion of land. This will need taller buildings and use of high strength concrete.

Baby Cereal Food

The Baby-cereal-foods is that enriched food which has a requisite level of nutrition. This requisite level is prescribed by various dietitians & physicians for children. Various experts fixed a definite calorific value for infant food & based on this the various mixtures or formulae of foods are developed.

Food products are derived from single grains or blends of mixed grains combined with other ingredients for flavour and nutritional fortification. Materials used by various manufacturers in addition to the grains include malt, milk powder, vegetable oil, wheat germ, sugar, cotton seed flour, tri and dicalcium phosphate, dried yeast, a form of iron such as sodium iron pyrophosphate and the vitamin B1 (thiamin), riboflavin and niacin.

PROJECT COST ESTIMATE
CAPACITY

Baby Cereal Food (Packing in 225 gms Size Packet)	: 600,000 Kgs/Annum
Plant &Machinery	: ₹ 35 Lakhs
Cost of Project	: ₹ 82 Lakhs
Rate of Return	: 32%
Break Even Point	: 72%

The baby food market in India is witnessing rapid growth and is growing by 10-12% a year. India has the largest population of 0-4 year old in Asia. Additionally, due to the increasing number of working women, and the increasing parental concerns about nutrition have lead to its growth. Professionally-made food designed to meet the nutrition requirements of babies also address the problems of paucity of time for preparing baby food at home. As a whole it is a good project for new entrepreneurs to invest.

Betel Nut (Supari) Processing

Areca nut is the nut of areca palm. Biological name of areca nut palm is Areca catechu and it is a member of the family arecaceae or palmal. It is also called betel nut, as it is usually chewed with betel leaf and lime. Betel nut is a seed of the Areca catechu, a type of palm tree. It's commonly chewed after being ground up or sliced and wrapped in leaves of the Piper betel vine that have been coated with lime. This is known as a betel quid. Tobacco or flavorful spices may also be added. The dust and 'Chogaru' are traditionally used as a masticatory and for tanning leather. The tannins of arecanut tan leather satisfactorily except for the colour.

PROJECT COST ESTIMATE
CAPACITY

Supari	: 500 Kgs. /Day
Tannin	: 33 Kgs. /Day
Brushes/Rope	: 250 Kgs. /Day
Pan Masala	: 500 Kgs. /Day
Plant & Machinery	: ₹ 42 Lakhs
Cost of Project	: ₹ 191 Lakhs
Rate of Return	: 27%
Break Even Point	: 58%

India is the highest producer of areca nut with a production of around 3.3 lakh tones and a total acreage under cultivation

of 2.64 lakh hectares, with Karnataka and Kerala accounting for nearly 72 per cent of the total production. Over six million people are engaged in areca nut cultivation, processing and trade. More than 85 per cent of the area under cultivation is made up of small and marginal holdings. Among the two varieties white nuts have a share of 60 per cent. India is also the largest consumer with around 3.2 lakh tonnes. As a whole you can invest in this project without risk and earn profit.

Acrylic Emulsion Paints

Paint is used to decorate, protect and prolong the life of natural and synthetic materials, and acts as a barrier against environmental conditions. Paints may be broadly classified into Decorative paints, applied on site to decorate and protect buildings and other objects, and Industrial coatings which are applied in factories to finish manufactured goods such as cars.

Paints contain: pigment(s)–prime pigments to impart color and opacity ;binder (resin)–a polymer, often referred to as resin, forming a matrix to hold the pigment in place; extender–larger pigment particles added to improve adhesion, strengthen the film and save binder; solvent (sometimes called a thinner)–either an organic solvent or water is used to reduce the viscosity of the paint for better application. Water-borne paints are replacing some paints that use volatile organic compounds such as the hydrocarbons which are harmful to the atmosphere; additives–used to modify the properties of the liquid paint or dry film.

The binder (resin) and solvent together are sometimes known as the vehicle. The binder may be dissolved as a solution or carried as a dispersion of microscopically small particles in a liquid.

PROJECT COST ESTIMATE
CAPACITY

Pure Acrylic Emulsion Paint	: 66 MT/Day
Styrene Acrylic Emulsion Paint	: 50 MT/Day
Vinyl Acrylic Emulsion Paint	: 50 MT/Day
Plant & Machinery	: ₹ 298 Lakhs
Cost of Project	: ₹ 1874 Lakhs
Rate of Return	: 28%
Break Even Point	: 50%

Paints are formulated according to their proposed use–primer, undercoat, special finishes (matt, gloss, heat resistance, anti-corrosion, abrasion resistance). The pigment powder is broken down into individual particles which are coated by and dispersed in the binder (resin)–known as 'wetting out'. Solvent is then added to give the required consistency. Each batch of ingredients is thoroughly mixed in large, stirred containers with the required additives.

Floral Foam

Floral foam is a dense, lightweight and porous material that can be cut into virtually any shape. It holds its shape when wet and provides both water and support to cut flower arrangements. The density of floral foam means that it holds large quantities of water, which in turn, increases the life of flowers. It also provides increased support to the flower stems, giving more control with flower arrangements. Floral foam originally appeared as a green brick. Floral foams have become a permanent staple in the art of flower arrangement. By providing trouble-free support for flowers, many designs have been made achievable, giving flower arranging artists more room to come up with every design that they can imagine. Made of phenol material, floral foams are used as a base for mostly every conceivable design.

PROJECT COST ESTIMATE
CAPACITY

Floral Foam	: 12000 Pcs./Day
Plant & Machinery	: ₹ 68 Lakhs
Cost of Project	: ₹ 270 Lakhs
Rate of Return	: 27%
Break Even Point	: 46%

Government of India has identified floriculture as a sunrise industry and accorded it 100% export oriented status. Owing to steady increase in demand of flower floriculture has become one of the important Commercial trades in Agriculture. Indian floriculture industry comprises the florist trade, nursery plants, bulb and seed production, apart from production of micro propagation material, and extraction of essential oils from flowers. The industry has been growing at a CAGR of 25 percent over the past decade. As a whole any entrepreneur can venture in this project without risk and earn profit.

Workwear, Uniform Clothing for factory *(Thousers & High Visibility Long Sleeves Jackets)*

Workwear is clothing worn for work, especially work that involves manual labour. Often those employed within trade industries elect to be outfitted in workwear because it is built to provide durability and safety. Garments of simple and typically very durable construction usually in poly/cotton fabrics, including boiler suits and coveralls, bib and brace, coats, jackets and trousers, as well as a wide variety of similar styles used in the catering and wholesale/distribution sectors.

PROJECT COST ESTIMATE
CAPACITY

Trousers	: 3000 Pcs/Day
High-Visibility Long Sleeve Jackets	: 1000 Pcs/Day
Plant & Machinery	: ₹ 136 Lakhs
Cost of Project	: ₹ 1271 Lakhs
Rate of Return	: 29%
Break Even Point	: 67%

Indian consumer durables market is broadly segregated into urban and rural markets, and is attracting marketers from across the world. Per capita GDP of India is expected to reach US$ 3,273.85 in 2023 from US$ 1,983 in 2012. The global Workwear/Uniforms (Uniforms & Workwears) market is valued at 56700 million US$ in 2017 and will reach 79000 million US$ by the end of 2025, growing at a CAGR of 4.2% during 2018-2025.Thus, due to demand it is best to invest in this project.

Undergarments *(Men and Women)*

Undergarments or underwear are clothes worn under other clothes, often next to the skin. They keep outer garments from being soiled by bodily secretions and discharges, shape the body, and provide support for parts of it. In cold weather, long underwear sometimes is worn to provide additional warmth.

PROJECT COST ESTIMATE
CAPACITY

Regular Silk & Cotton Panties	: 1000 Pcs/Day
Bikini Sets	: 1000 Pcs/Day
Brasseries (Wired)	: 1000 Pcs/Day
Brasseries (Non Wired)	: 1000 Pcs/Day
Briefs Men's	: 1000 Pcs/Day
Baniyan Men's	:1000 Pcs/Day
Plant & Machinery	: ₹ 165 Lakhs
Cost of Project	: ₹ 462 Lakhs
Rate of Return	: 27%
Break Even Point	: 61%

The Indian apparel sector is expected to grow from 1,709 billion in 2010 to 4,700 billion by 2020E, representing a CAGR of 10.6%. Of this, the innerwear market currently valued at ~14,300 crore (in 2011) is expected to grow to 43,700 crore by 2020E, grow-

ing at a CAGR of 13.2%, outpacing the growth of the overall apparel market. As a whole any entrepreneur can venture in this project without risk and earn profit.

Recovery of Lead

Lead is a material very easy to recycle and, provided that adequate procedures are implemented; the final product (secondary lead) is indistinguishable from the primary lead produced from ores. About 50% of the lead consumed worldwide is derived from recycled and reused materials. There are many different uses of Lead. It may be used as a pure metal, alloyed with other metals, or as chemical compounds.

The recovery of metals from metal scrap has the advantage that it is easier and far less energy dependent than the production of primary lead from ores. The production of recycled lead requires 35–40% of the energy necessary to produce lead from ores. In addition, the recovery of lead decreases the lead dispersion in the environment and preserves the mineral reserves for the future. Recycling lead is relatively simple and in most of the applications where lead is used, such as lead-acid batteries, it is possible to recover it for use over and over again.

PROJECT COST ESTIMATE	
CAPACITY	
Lead Ingot	: 1944 MT/Annum
Plant & Machinery	: ₹ 66 Lakhs
Cost of Project	: ₹ 257 Lakhs
Rate of Return	: 28%
Break Even Point	: 57%

Lead batteries industry in India is currently estimated at Rs 40,000 crore with 60% automotive and 40% industrial. Over thousands of player continued recycling activity in India through recovery of lead from telecom, uninterrupted power supply (UPS), inverters, renewable energy and other related industries. Thus, due to demand it is a good project for entrepreneurs to invest.

Bauxite Calcination
(by Rotary Kiln with Fine Grinding Ball Mill)

Calcined bauxite is an important raw material for two main markets: refractories and abrasives. Bauxite is a naturally occurring, heterogeneous material comprised primarily of one or more aluminum hydroxide minerals plus various mixtures of silica (SiO2), iron oxide (Fe2O3), titaniai (TiO2), alumino silicates (clay, etc.), and other impurities in trace amounts.

India currently imports 60% of its Calcined Bauxite from China. Spurred by expansion of domestic steel production, a scarcity of acceptable quality of bauxite from China and raising import cost, drives are now under way in India to produce high grade bauxite from domestic bauxite sources. Global Calcined Bauxite Market was valued at $16,680 million in 2016, and is expected to reach $29,648 million by 2023. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE	
CAPACITY	
Calcined Bauxite	: 40 MT/Day
Plant & Machinery	: ₹ 219 Lakhs
Cost of Project	: ₹ 766 Lakhs
Rate of Return	: 26%
Break Even Point	: 56%

Production Unit of
Liquid Washing Soap, Perfumed Bleach for the Wash of White Cloths, Toilet/Tills Hard Stains Remover Liquid, Detergent Powder

Laundry detergent, or washing powder, is a type of detergent (cleaning agent) that is added for cleaning laundry. In common usage, "detergent" refers to mixtures of chemical compounds including alkylbenzene sulfonates, which are similar to soap but are less affected by hard water. In most household contexts, the term detergent refers to laundry detergent vs hand soap or other types of cleaning agents. While detergent is still sold in powdered form, liquid detergents have been taking major market shares in many countries since their introduction in the 1960s.

PROJECT COST ESTIMATE	
CAPACITY	
Detergent Powder	: 3.2 MT/Day
Liquid Washing Soap	: 3.2 MT/Day
Toilet Cleaner	: 3.2 MT/Day
Perfumed Bleach	: 3.2 MT/Day
Stain Remover Liquid	: 3.2 MT/Day
Plant & Machinery	: ₹ 72 Lakhs
Cost of Project	: ₹ 210 Lakhs
Rate of Return	:28%
Break Even Point	:74%

Cleaning compositions that effectively disinfect and clean hard surfaces such as those in lavatories and bathrooms, particularly toilet bowls, are well known. Typical cleaning compositions provide effective coverage of the treated surfaces to ensure that contact between the cleaning composition and contaminants present on the surface occur. Ineffective disinfection and cleaning of the surface often is the end result without such contact, particularly for inner toilet bowl surfaces. For pitched toilet bowl surfaces, viscous cleaning compositions can provide good coverage and retention, particularly vertically sloped interior surfaces of a toilet bowl. Therefore, it is a good project for entrepreneurs to invest

Infrared Reflected (IR) Paint

The sun energy reaches Earth as UV, visible and infrared radiation. The last one is largely responsible for heat build-up.© Solar radiation, visible radiation, near infrared (NIR) radiation, very short wavelength infrared (VSWIR) radiation etc., The visible region of the electromagnetic spectrum is commonly considered to be the wavelength range between 0.4-0.72 µm (400-720 nm). The polymers used in the SRP roof systems expand when wet, offering unparalleled protection expands when wet offering unparalleled protection against damaging moisture penetration. The roof coat resin has a very special property known as "Variable Permeability". When conditions are wet, the polymers swell up becoming completely watertight. This report deals with the simulation thermal coating for providing the room comfort and thereby reducing the usage of Air conditioning units and fans.

PROJECT COST ESTIMATE	
CAPACITY	
Infrared Reflected (IR) Paint	: 300 Ltrs. /Day
Plant & Machinery	: ₹ 33 Lakhs
Cost of Project	: ₹ 196 Lakhs
Rate of Return	: 26%
Break Even Point	: 40%

Infrared-reflective coatings can be formulated with various pigments, metals (such as aluminum) or other materials to produce an IR-reflective barrier. The paints industry in India has been growing at the rate of around 12% a year. The paints market has crossed the Rs. 135 bn mark. By volume, the market is estimated at 1.4 mntonne 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 global cool roof coating market is expected to reach USD 5.41 billion by 2025. The global cool roof coating market demand was 37.7 million liters in 2015 and is expected to reach 78.5 million liters by 2025, growing at a CAGR of 7.6% from 2016 to 2025. The global IR Reflected coating market is expected to reach USD 5.41 billion by 2025. which facilitates the development of new technologies and ensure a high quality product.

Ciprofloxacin Hydrochloride

Indian pharmaceutical sector is expected to grow to US$ 100 billion, while medical device market is expected to grow US$ 25 billion by 2025. Pharmaceuticals export from India stood at US$ 20.70 billion in FY20. Pharmaceutical export include bulk drugs, intermediates, drug formulations, biological, Ayush and herbal products and surgical. India's biotechnology industry comprising biopharmaceuticals, bio-services, bio-agriculture, bio-industry, and bioinformatics is expected grow at an average growth rate of around 30 per cent a y-o-y to reach US$ 100 billion by 2025. Thus, due to demand it is best to invest in this project. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY

Ciprofloxacin Hydrochloride	: 600 Kegs'/Day
Plant & Machinery	: ₹ 201 Lakhs
Cost of Project	: ₹ 580 Lakhs
Rate of Return	: 27%
Break Even Point	: 58%

Sterile Water for Injection

Indian pharmaceutical sector is expected to grow to US$ 100 billion, while medical device market is expected to grow US$ 25 billion by 2025. Pharmaceuticals export from India stood at US$ 20.70 billion in FY20. Pharmaceutical export include bulk drugs, intermediates, drug formulations, biological, Ayush and herbal products and surgical. India's biotechnology industry comprising biopharmaceuticals, bio-services, bio-agriculture, bio-industry, and bioinformatics is expected grow at an average growth rate of around 30 per cent a y-o-y to reach US$ 100 billion by 2025. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE

CAPACITY

Ampoules 5 ml Size	: 200,000 Nos. / Day
Ampoules 10 ml Size	: 150,000 Nos. / Day
Ampoules 20 ml Size	: 150,000 Nos. / Day
Plant & Machinery	: ₹ 1933 Lakhs
Cost of Project	: ₹ 3040 Lakhs
Rate of Return	: 27%
Break Even Point	: 39%

Information Technology Park

More importantly, the Indian IT sector is one of the biggest and fastest growing markets and has led the economic transformation of the country. The IT sector has also created significant demand for specialized real-estate development that can cater to the specific requirements of the industry. The market size of India's IT-BPM sector is expected to grow to US$ 350 billion by 2025 and BPM is expected to account for US$ 50-55 billion out of the total revenue. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY

Land Area	: 25 Acres
Plant & Machinery	: ₹ 7078 Lakhs
Cost of Project	: ₹ 146872 Lakhs
Rate of Return	: 16%
Break Even Point	: 12

BLDC Fan

India is a tropical country making fans a necessity. Thus, the fan industry in India is well-established and has shown significant growth over the years. Profit realizations increased only 3.0-3.5% annually in the last 2 years due to a parallel rise in raw material prices. However, going forward, realizations for the sector are due to increase substantially as share of premium fans rise from current 6-8% levels to more than 15-20% over the next 3-5 years. Growth in the housing sector is boosting the demand for ceiling fans, especially in the developing economies. For instance, the governments of China and India are coming up with new schemes to provide shelter to the low- and middle-income groups. In addition to this, development in the commercial real estate, hospitality and retail sectors are bolstering the market growth. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY

BLDC Celling Fan (48"-52")	: 1,000 Pcs. / Day
Plant & Machinery	: ₹ 48 Lakhs
Cost of Project	: ₹ 359 Lakhs
Rate of Return	: 29%
Break Even Point	: 66%

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

Construction Industry in India has grown exponentially in the recent past. It would not be wrong to say that the industry is maturing in the process. JCB India on its part has been contributing to it by providing world class construction equipment. To cater to the growing needs of the industry, we have in the last decade expanded our range from a couple of models to 20 models and continue to do so. Since, the Indian conditions are unique, JCB is offering products specific to meet the rigors of Indian terrain and conditions. Specialized attachments such as the sweeper collector, submersible pump, and hand held tool circuit, ditch cleaning bucket, etc. have been introduced to bring more mechanization and to tap newer segments. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY

JCB Bucket Pin 42 mm Diameter	: 1,666.7 Kgs / Day
JCB Bucket Pin Bush	: 1,666.7 Kgs / Day
JCB Bucket Tooth Nuts & Bolt	: 1,666.7 Kgs / Day
Plant & Machinery	: ₹ 147 Lakhs
Cost of Project	: ₹ 418 Lakhs
Rate of Return	: 27%
Break Even Point	: 56%

Methyl Ethyl Ketone (MEK)

MEK is a naturally occurring human metabolite, is present naturally in foods across all food groups, and is produced by microbes, algae, plants and other organisms. It is also released to the environment via anthropogenic production, where it primarily partitions to air. Its primary use is industrial, but it can also be found in consumer products, especially coatings and adhesives, and has minor use in the food industry as an extraction agent and flavoring agent.

Methyl Ethyl Ketone (MEK), is an organic compound with the formula CH3C(O)CH2CH3.This colorless liquid Ketone has a sharp, sweet odor reminiscent of butterscotch and acetone. It is produced industrially on a large scale, and also occurs in trace amounts in nature. It is soluble in water and is commonly used as an industrial solvent.

MEK is used in surface coatings (55%), adhesives (12%), printing inks (4%), chemical intermediates (6%), magnetic tapes (5%) and lube oil dew axing agents (6%). MEK also is used as an extraction medium for fats, oils, waxes and resins. Methyl Ethyl Ketone is used as a solvent for lacquers, adhesives; for cleaning materials to be electroplated; for degreasing; in rubber and rubber cement, print-

ing inks, paints, wood stains, varnishes and paint removers and in cleaning solutions; as a catalyst; and as a carrier.

The future increase in demand of MEK in the country is expected from two levels. The first is from the growth of end users who are already using MEK. The second level is from the consumers who can use MEK but are using other solvents and are willing to switch over to MEK, once its easy availability is assured.

PROJECT COST ESTIMATE
CAPACITY

Methyl Ethyl Ketone	: 40 MT Per Day
Plant & Machinery	: ₹ 946 Lakhs
Cost of Project	: ₹ 1814 Lakhs
Rate of Return	: 27%
Break Even Point	: 53%

In 2018, Asia is expected to account for nearly 70% of the total world consumption of MEK. Paints and coatings continue to consume the majority of MEK, and little change in the world MEK market breakdown is expected by 2023. Adhesives make up the second-largest share of the MEK market in 2018, and represent the largest and fastest-growing market in China, where consumption is largely for the manufacture of shoes.

Global Methyl Ethyl Ketone Market size is forecasted to reach USD 3.64 billion against the volume of 1.9 Million Tonnes with a CAGR of 4.3 % by 2022. China, Western Europe, Japan and the United States are leading Consumer of MEK. It is projected that Asia Pacific region will drive the highest growth rate in the future as demand for MEK in this region is increasing at a fast pace with the development in end use. Increasing investments and development in automobile and infrastructure industries in China and India will further induce the consumption of MEK in the Asia Pacific region. Positive demand outlook for paints and coatings, adhesives, printing inks; on account of increasing construction spending, particularly in the Asia Pacific and the Middle East is expected to remain a key driving factor for the global MEK market.

Methyl-Ethyl-Ketone (MEK) is a colorless and a harsh smelling carbon-based compound. It is commonly known as butanone. MEK characterized by outstanding chemical assets including low boiling point, high viscosity, high solvency, and high evaporation rate because of which it is used as a solvent across various applications.

Liquid Glucose & Fructose from Broken Rice

Fructose is majorly used in the production of nutrition bars, soft moist cookies, pourable frozen juice concentrates and energy-reduced products. It is commercially available in syrup and crystalline forms. High fructose corn syrup, which is the major product segment in the market, is expected to experience reduced demand on account of growing concerns regarding obesity. Fructose syrups is the fastest growing product segment and expected to register a CAGR of 4.7% from 2017 to 2025 due to increased demand from the beverage manufacturing industry. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE
CAPACITY

Liquid Glucose	: 112 MT / Day
Fructose	: 80 MT / Day
Broken Rice Protein (Bye Product)	: 8 MT / Day
Plant & Machinery	: ₹ 3936 Lakhs
Cost of Project	: ₹ 5941 Lakhs
Rate of Return	: 26%
Break Even Point	: 45%

Plastic Pyrolysis
(Waste Plastic to Oil Conversion)

The global plastic waste to oil market is expected to increase from ~US$ 45 Mn in 2019 to ~US$ 100 MN by 2027. Plastic waste to oil can be defined as a technology that is used to convert non-recycled plastic into synthetic crude oil and other value-added petroleum products such as diesel, gasoline, naphtha, and fuel oil. This is an advanced waste conversion technology that is considered complementary to the existing plastic recycling technology. Plastic waste to oil technology has high potential, as landfill-bound plastics can be used as a resource to develop a valuable alternative fuel source. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE
CAPACITY

Pyrolysis Oil	: 5 MT / Day
Carbon (by product)	: 1.67 MT / Day
Gas (by product)	: 1 MT / Day
Plant & Machinery	: ₹ 92 Lakhs
Cost of Project	: ₹ 312 Lakhs
Rate of Return	: 27%
Break Even Point	: 58%

Roll Forming with Metal Beam, Highway Guard Crash Barrier and Galvanizing Plant

The market for roads and highways is projected to exhibit a CAGR of 36.16% during 2016-2025, on account of growing government initiatives to improve transportation infrastructure in the country. The road transport and highways ministry has prepared a draft Cabinet note on the Rs.2.6-lakh crore Bharat Mala project that envisages construction of 25,000 km of roads along India's borders, coastal areas, ports, religious and tourist places as well as over 100 district headquarters. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE
CAPACITY

Metal Beam Highway Crash Barrier	: 12.5 MT /Day
MS Sheet Scrap	: 2.5 MT /Day
Plant & Machinery	: ₹ 230 Lakhs
Cost of Project	: ₹ 954 Lakhs
Rate of Return	: 28%
Break Even Point	: 53%

Workshop for Motors of Low Voltage (Up-To 1000V) and Distribution Transformers
(Maintenance, overhauls and repairs)

Maintenance of electrical equipment and the maintenance function in general, are key subjects today for managers of plants and facilities. One important reason for this interest is there are profound changes taking place in the area of maintenance and reliability management. Basically, sweeping changes in management and organizational structure are redefining how work gets done.

The maintenance function was seen as a non-core service organization that did not contribute to competitiveness. Benchmarks for maintenance were isolated measurements of tasks–that is, task orientation rather than business goal orientation. New performance criteria for measuring maintenance will be focused on optimizing asset utilization, not maximizing asset utilization.

Qualification and certification of electrical maintenance personnel are other factors that will become increasingly important. A number of electrical industry organizations got together recently and created a certification program for people involved in the installation and maintenance of instrumentation and control systems.

To provide quality, fast and competitive service for all units, including smaller ones of 100 HP or less, we have

dedicated teams of specialists who are inspired by Lean best practices. Indeed, the Multi-Tech Workshop works completely independently from other Services departments to carry out the operations necessary for the refurbishment of small electric motors.

The growing requirement to improve and maintain the reliability of the electrical distribution equipment at office spaces, manufacturing facilities, and industrial facilities is propelling the demand for the electrical distribution services, globally. The electrical services market's growth can also be attributed to the increasing focus on repair and maintenance of existing electrical equipment and fixtures across multiple industries. Fulfilling crucial parameters is critical to ensure the effective scheduling of electrical distribution equipment to avoid the operational downtimes. Based on power rating, the distribution transformer market has been segmented into power ratings ranging up to 500 kVA, 501 kV–2,500 kVA, 2,501 kVA–10,000 kVA, and above 10,000 kVA. The distribution transformers ranging from 2,501 kVA–10,000 kVA are widely used in industrial and commercial sectors due to high power consumption as compared to residential power consumption.

The global distribution transformer market is anticipated to grow at a CAGR of 7.88% between 2020 and 2028, and is anticipated to generate revenue of $32.58 billion by 2028. The service transformers or distribution transformers (DTs) deliver the final voltage alteration in the electric power distribution arrangement. DTs are used to step down the voltage used in the distribution lines (usually up to 36 kV), to the level used by the customer (usually 250 up to 435 V).

The oil-filled segment is expected to be the largest market for distribution transformer, as it is more efficient, having longer service life and features more reliable overload capabilities. In developing countries, oil-filled distribution transformers account for around 90% of the total distribution transformer units and 80% in developed countries.

PROJECT COST ESTIMATE

CAPACITY

Workshop for Motors & Distribution Transformer of Low Voltage (up to 1000V) Maintenance, Overhauls and Repairs

Plant & Machinery	**: ₹ 30 Lakhs**
Cost of Project	**: ₹ 85 Lakhs**
Rate of Return	**: 27%**
Break Even Point	**: 71%**

Dextrose Saline

Dextrose Saline Manufacturing Plant, Dextrose Saline Detailed Project Report, Dextrose Saline Profile, Dextrose Saline Business Plan, Dextrose Saline Industry Trends, Dextrose Saline Market Research, Dextrose Saline Survey, Dextrose Saline Manufacturing Process, Dextrose Saline Machinery, Dextrose Saline Raw Materials, Dextrose Saline Feasibility Study, Dextrose Saline Investment Opportunities, Dextrose Saline Market Demand, Dextrose Saline Market Growth Rate, Dextrose Saline Market Strategy, Dextrose Saline Market drivers, Dextrose Saline Market Insight, Dextrose Saline Industry Demands, Dextrose Saline Financials,

Normal saline (NS or N/S) is the commonly used phrase for a solution of 0.90% w/v of NaCl, about 300 mOsm/L or 9.0 g per liter. Aless commonly, this solution is referred to as physiological saline or isotonic saline, neither of which is technically accurate. NS is used frequently in intravenous drips (IVs) for patients who cannot take fluids orally and have developed or are in danger of developing dehydration or hypovolemia.

For medical purposes, saline is often used to flush wounds and skin abrasions. Normal saline will not burn or sting when applied. Saline is also used in I.V. therapy, intraveno supplying extra water to rehydrate patients or supplying the daily water and salt needs ("maintenance" needs) of a patient who is unable to take them by mouth.

The market for Intravenous (IV) Solution is expected to reach USD 11,511.2 million by 2022 and is expected to grow at a CAGR of 7.69% during the forecast period 2016-2022. The factors which drive the growth of the market are the rising prevalence of chronic diseases, rising acceptance of vitamin C intravenous treatment therapy to treat colorectal cancer. Thus, due to demand it is best to invest in this project.

PROJECT COST ESTIMATE

CAPACITY

Dextrose Saline 500 ml Size	**: 15,000 Bottles Per Day**
Dextrose Saline 1000 ml Size	**: 15,000 Bottles Per Day**
Plant & Machinery	**: ₹ 1148 Lakhs**
Cost of Project	**: ₹ 1542 Lakhs**
Rate of Return	**: 25%**
Break Even Point	**: 44%**

Refrigerant Gas R22 Bottling Plant

A refrigerant is a substance or mixture, usually a fluid, used in a heat pump and refrigeration cycle. In most cycles it undergoes phase transitions from a liquid to a gas and back again.

The ideal working fluid or often called refrigerant would have favorable thermodynamic properties, be non-corrosive to mechanical components, and be safe, including freedom from toxicity and flammability.

The desired thermodynamic properties are a boiling point somewhat below the target temperature, a high heat of vaporization, a moderate density in liquid form, a relatively high density in gaseous form, and a high critical temperature. Since boiling point and gas density are affected by pressure, refrigerants may be made more suitable for a particular application by appropriate choice of operating pressures.

PROJECT COST ESTIMATE

CAPACITY

Refrigerant Gas R22 (Cylinder 10 Kgs Size)	**: 166 Nos. / Day**
Plant & Machinery	**: ₹ 24 Lakhs**
Cost of Project	**: ₹ 179 Lakhs**
Rate of Return	**: 27%**
Break Even Point	**: 64%**

Chlorodifluoromethane or difluoromonochloromethane is a hydro chlorofluorocarbon (HCFC). This colorless gas is better known as HCFC-22, or R-22, or (CH ClF2). It is commonly used as a propellant and refrigerant. R-22 cylinders are colored light green.

R22 is a single component HCFC refrigerant that has historically been used for air conditioning, medium temperature and low temperature refrigeration.

The refrigerants market size is estimated to be USD 22.9 billion in 2018 and is projected reach USD 31.0 billion by 2023, at a CAGR of 6.2% between 2018 and 2023. The market is mainly driven by the rising demand for refrigerants from the applications domestic, commercial, and industrial refrigeration; chillers; window, split, VRF, and other air-conditioning systems; and MAC. Growing demand for refrigerants in upcoming applications has created various opportunities for its manufacturers. APAC is the key market for refrigerants, globally, followed by North America and Europe, in terms of volume. One of the primary drivers of the market is the increasing demand for consumer appliances in these regions.

Increase in demand for energy-efficient cooling solutions and rising awareness regarding global warming and ozone depletion is expected to shape the industry over the forecast period. Fluorocarbon phase-out as per regulations laid down by the Montreal

Protocol and updated by the Kyoto Protocol has led to a resurgence in demand for natural refrigerants. The hydrocarbon and inorganic segments are, therefore, expected to witness considerable growth.

The stationary air conditioning, chillers, and heat pumps segment dominated the market by application and accounted for over 47% of the overall volume in 2016. Increased spending power of the middle class on consumer appliances, such as refrigeration systems, has resulted in the growth of this segment. Rising demand for cooling equipment owing to rapid industrialization, deteriorating weather conditions, and growth in the manufacture of consumer appliances has also positively influenced its demand.

Commercial refrigeration is another application witnessing significant growth. Increasing hypermarket, supermarket, and food retail chains, coupled with rise in consumption of packaged and frozen foods, has boosted the demand for commercial refrigerants.

English Willow Cricket Bat

English willow bats with minor visual defects such as grains which are not perfectly straight, or dis-colourations, are also cheaper. The willow used in making bats in Kashmir was brought in by the British, who ruled India, during the 1820s.

The industry combines traditional tools with modern technology. Some of the districts where these bats are made in Kashmir are Anantnag, Baramula, and Pahalgam Further, with projected demand of cricket bats expected to increase to 4 million per annum in the global market by the year 2020, the future of this industry looks very promising because the Kashmir willow comprises about 60 percent of the total bats manufactured in India. Additionally, with a compound growth rate of about 8.4 percent, the potential turnover from the export of this commodity is projected to increase to 100 million per annum in the year 2030. As a whole there is a good scope for new entrepreneur to invest in this business.

PROJECT COST ESTIMATE
CAPACITY

Capacity	: 6.7 Nos. Per Day
Plant & Machinery	: ₹ 8 Lakhs
Cost of Project	: ₹ 22 Lakhs
Rate of Return	: 29%
Break Even Point	: 81%

Packaged Drinking Water with PET Bottle

Bottled water is drinking water (e.g., well water, distilled water, mineral water, or spring water) packaged in plastic or glass water bottles. Bottled water may be carbonated or not. Sizes range from small single serving bottles to large carboys for water coolers. Bottled water is the most dynamic market of all the food and beverage industry.

PROJECT COST ESTIMATE
CAPACITY

Packaged Drinking Water 200 ml Size Bottle	: 28,800 Bottles Per Day
Packaged Drinking Water 500 ml Size Bottle	: 28,800 Bottles Per Day
Packaged Drinking Water 1000 ml Size Bottle	: 38,400 Bottles Per Day
Plant & Machinery	: ₹ 306 Lakhs
Cost of Project	: ₹ 632 Lakhs
Rate of Return	: 24%
Break Even Point	: 51%

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. As a whole there is a good scope for new entrepreneur to invest in this business.

Methyltetrahydrophthalic Anhydride (MTHPA)

Methyl tetrahydrophthalic anhydride, one of the MTHPA anhydride referred to as MTHPA, MeTHPA, has two isomers, namely 4-methyltetrahydrophthalic anhydride and 3-methyltetrahydrophthalic anhydride, having a melting point of 65°C and 63°C. It is rarely used as a curing agent alone. The actual commodity is a liquid mixture that isomerized to various isomers.

The Methyltetrahydrophthalic Anhydride (MTHPA) market will depend on market share (sales and revenue) of key companies and growth opportunities of the Methyltetrahydrophthalic Anhydride (MTHPA) market by type, application, key manufacturers and key regions and countries. The market is expected to reach $14.19 billion in 2025 at a CAGR of 5%. Entrepreneurs who invest in this project will be successful.

PROJECT COST ESTIMATE
CAPACITY

Capacity	: 16,000 Kgs Per Day
Plant & Machinery	: ₹ 234 Lakhs
Cost of Project	: ₹ 897Lakhs
Rate of Return	: 28%
Break Even Point	: 57%

Hemodialysis Blood Tubing

Hemodialysis Blood Tubing Manufacturing Plant, Hemodialysis Blood Tubing Detailed Project Report, Hemodialysis Blood Tubing Profile, Hemodialysis Blood Tubing Business Plan, Hemodialysis Blood Tubing Industry Trends, Hemodialysis Blood Tubing Market Research, Hemodialysis Blood Tubing Survey, Hemodialysis Blood Tubing Manufacturing Process, Hemodialysis Blood Tubing Machinery, Hemodialysis Blood Tubing Raw Materials, Hemodialysis Blood Tubing Feasibility Study, Hemodialysis Blood Tubing Investment Opportunities, Hemodialysis Blood Tubing Market Demand Market Growth Rate, Hemodialysis Blood Tubing Market Strategy, Hemodialysis Blood Tubing Market drivers, Hemodialysis Blood Tubing Market Insight, Hemodialysis Blood Tubing Industry Demands, Hemodialysis Blood Tubing Financials,

PROJECT COST ESTIMATE
CAPACITY

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

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

Blood Tubing Sets for Hemodialysis designed specifically to connect patient with an external system that extracts blood of the patient to the dialyzer and reverts patient's blood from the dialyzer. Consists of 2 Parts: Arterial and Venous line which are used during dialysis with attached fistula and dialyzer. Unique chambers are there which reduce foaming, increase air removal and do not trap EPO

(Erythropoietin). This helps in ensuring secure machine fit and less incidence of wet out.

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

Ayurvedic Pain Balm

Ayurvedic Pain Balm Manufacturing Plant, Ayurvedic Pain Balm Detailed Project Report, Ayurvedic Pain Balm Profile, Ayurvedic Pain Balm Business Plan, Ayurvedic Pain Balm Industry Trends, Ayurvedic Pain Balm Market Research, Ayurvedic Pain Balm Survey, Ayurvedic Pain Balm Manufacturing Process, Ayurvedic Pain Balm Machinery, Ayurvedic Pain Balm Raw Materials, Ayurvedic Pain Balm Feasibility Study, Ayurvedic Pain Balm Investment Opportunities, Ayurvedic Pain Balm Market Demand, Ayurvedic Pain Balm Market Growth Rate, Ayurvedic Pain Balm Market Strategy, Ayurvedic Pain Balm Market drivers, Ayurvedic Pain Balm Market Insight, Ayurvedic Pain Balm Industry Demands, Ayurvedic Pain Balm Financials.

PROJECT COST ESTIMATE

CAPACITY

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

A balm is a concentrated, waterless moisturizer that delivers the oil directly to the skin. And because there is no water, there is no need for emulsifiers. Oils blend and beeswax thickens it up. The absence of water also means that balms do not require much preservative, because bacteria cannot grow without water. They are preserved with either essential oils and/or vitamin E.

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

• Toenail fungus: The active ingredient camphor may treat this type of fungal infection. However, this study was done using Vicks VapoRub, not Balm.

• Back pain: The active ingredients camphor and menthol may help soothe this type of pain.

• Common colds: Menthol may alleviate cold symptoms.

• Congestion: A combination of menthol and eucalyptus may clear up congestion.

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

Bitumen

- *Polymer Modified Bitumen*
- *Bitumen Emulsion*
- *Cutback Bitumen*

Bitumen is an important low-cost thermoplastic which finds many applications as a building and engineering material; however, bitumen has poor mechanical properties as it is hard and brittle in cold environments and soft and fluid in hot environments. The primary aim of the modification of bitumen for use in structural layers is to increase the resistance of these layers to permanent deformation at high road temperatures without compromising the properties of these layers over the rest of the prevailing temperature range.

PROJECT COST ESTIMATE

CAPACITY

Polymer Modified Bitumen	: 4.0 MT Per Day
Bitumen Emulsion	: 8.0 MT Per Day
Cutback Bitumen	: 8.0 MT Per Day
Plant & Machinery	: ₹ 95 Lakhs
Cost of Project	: ₹ 540 Lakhs
Rate of Return	: 30%
Break Even Point	: 80%

Asia Pacific is expected to be the fastest-growing market and is expected to witness gains at a CAGR of 3.0% from 2016 to 2024 in terms of volume. Government initiatives to construct roads to access rural areas is projected to propel the demand for bitumen over the forecast period. As a whole there is a good scope for new entrepreneur to invest in this business.

5 Star Hotel

5 Star Hotel Detailed Project Report, 5 Star Hotel Profile, 5 Star Hotel Business Plan, 5 Star Hotel Industry Trends, 5 Star Hotel Market Research, 5 Star Hotel Survey, 5 Star Hotel Machinery, 5 Star Hotel Raw Materials, 5 Star Hotel Feasibility Study, 5 Star Hotel Investment Opportunities, 5 Star Hotel Market Demand, 5 Star Hotel Market Growth Rate, 5 Star Hotel Market Strategy, 5 Star Hotel Market drivers, 5 Star Hotel Market Insight, 5 Star Hotel Industry Demands, 5 Star Hotel Financials, 5 Star Hotel Construction, 5 Star Hotel Business, 5 Star Hotel Set up, 5 Star New Hotel, Hospitality

A hospitality unit such as a restaurant, hotel, or an amusement park consists of multiple groups such as facility maintenance and direct operations (servers, housekeepers, porters, kitchen workers, bartenders, management, marketing, and human resources etc.). A hotel is an establishment that provides lodging paid on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites with bigger, higher-quality beds, a dresser, a fridge and other kitchen facilities, upholstered chairs, a flat screen television and en-suite bathrooms.

PROJECT COST ESTIMATE

CAPACITY

Deluxe Rooms (Rent)	: 38 Nos. Per Day
Executive Rooms (Rent)	: 28 Nos. Per Day
Business Clientele Rooms (Rent)	: 17 Nos. Per Day
Suits Rooms (Rent)	: 17 Nos. Per Day
Coffee Shop (Visitors)	: 25 Nos. Per Day
Restaurant (Visitors)	: 75 Nos. Per Day
Bar (Visitors)	: 25 Nos. Per Day
Marriage Season – Booking	: 0.15 Nos. Per Day
Birthday	: 0.17 Nos. Per Day
Conferences	: 0.17 Nos. Per Day
Anniverseries	: 0.17 Nos. Per Day
Plant & Machinery	: ₹ 1172 Lakhs
Cost of Project	: ₹ 4032 Lakhs

In areas receiving foreign visitors, hotels are often important foreign currency earners and in this way may contribute significantly to their countries' balance of payments. Hotels are also important outlets for the products of other industries. In the building and modernization of

Continue on Page 32

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.

Paper Industry, Paper & Paper Board, Paper & Allied Products, Paper Bags, Cups, Cone, Tube, Paper Conversion, Disposable Paper Products, Kraft Paper, News Print, Waste Paper Recycling, Pulp, Corrugated Board & Boxes, Hand Made Paper, Card Board

- A4 and A3 Size Paper
- A4 Sheet Copier Paper (A4 Size) from Jambo Rolls
- A4 Size Paper Kraft Paper
- Abrasive Paper & Flint Paper
- Ammonia Paper (Blue) Print
- Artificial Flowers (Paper & Cloth)
- Baby Wet Wipes and Facial Wet Tissue
- Biodegradable Disposable Cups and Plates Using Sugarcane Bagasse
- Card and Gray Board from Pulp and Waste Paper
- Card Grey Board
- Carton Boxes
- Carton Boxes (Using Duplex Paper Board)
- Coated Paper & Board (Art & Chromo)
- Computer Stationery
- Copier Paper (A4 Size)

- Corrugated Boxes
- Corrugated Cardboard Boxes Printing
- Corrugated Cartons and Boxes
- Corrugated Sheet Board & Boxes Plant
- Corrugated Sheet Paper Mill Board
- Decorative Laminated Sheets (Sunmica)
- Defoaming Agent for Paper Industry
- Disposable Paper Plate
- Duplex Paper
- Duplex Paper Board
- ECG Paper, Fax Paper, ATM Slip
- Exercise Note Book & Registers Pads and File
- Exercise Note Book and Offset Printing
- Fortified Rosin (Used in Paper Industry)
- Hand Made Paper
- Honeycomb Paper Products (Board, Paper Partition, Pallets & 5 Ply Corrugated Boxes)

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

NIIR PROJECT CONSULTANCY SERVICES
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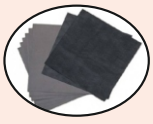
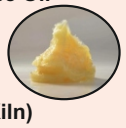
- Kraft Paper
- Kraft Paper Core Pipe Used in Paper Mills for Paper Reel
- Kraft Paper from Bagasse
- Kraft Paper from Waste Carton Boxes
- Kraft Paper from Waste Paper
- Metal Coated Paper, Metallic Paper Sheets
- Multicolour Newspaper Publishing Unit
- One Time Carbon Paper
- Paper
- Paper & Paper Products
- Paper Bags for White Cement
- Paper Bags from Waste
- Paper Board
- Paper Board Cartons
- Paper Cartons
- Paper Cones & Tubes
- Paper Core
- Paper Cups, Plates and Boxes
- Paper from Bamboo
- Paper from Hemp
- Paper from Shoot of Banana Plant
- Paper from Waste Paper, Bamboo Chips, Rice Husk & Wheat Husk
- Paper Mill



- Paper Napkins
- Paper Napkins, Facial Tissue, Toilet Rolls, Kitchen Roll & Handkerchief, Tissue Paper Rolls
- Paper Plant with Wood Chips & Pulp
- Paper Plate with Silver Lamination
- Paper Plates
- Paper Shopping Bags with Printing
- Paper Shopping Bags, Cups, Glass & Envelopes
- Paper with Pulp from Bamboo, Wood and Grass
- Paper, Pulp and Paper Board from Bamboo
- Printed Envelopes (with Window without Window in Single Colour & Multi Colour)
- Printed Paper Envelopes
- Printed Paper Shopping Bags
- Printing Technology
- Rosin Sizing Agent for Paper Plant
- Silicon Release Paper
- Silicone Coated Paper
- Soap Coated Paper
- Sodium Silicate Adhesive
- Tissue Paper from Recycled Paper
- Toilet Paper Roll
- Wood Pulp

Petroleum and Petroleum Products, Refining, Greases, Lube Oil, Brake Fluid, Automotive & Industrial Lubricants, Gear Oils, Wax & Wax Products, Paraffin Wax, Polishes, Bitumen, Base Oil, Crude Oil, Fuel Oils, Lubricating Oils, Gear Oils, Kerosene

- API Tube
- Batching Plant for Asphalt
- Bitumen (Polymer Modified Bitumen, Bitumen Emulsion, Cutback Bitumen)
- Bitumen Emulsion
- Bitumen Emulsion for Road (Cationic Type)
- Bitumen in Building of National Roads, Highways, and Airport Pathways
- Bituminous Felts for Water Proofing and Damp Proofing
- Blending of Lube Oil from Mineral Base Oil
- B-Naphthol
- Brake Fluids
- Cable Jelly Compound
- Calcined Coke (By Using Horizontal Kiln)



- Chlorinated Paraffin Wax (CPW)
- Coal Tar Pitch
- Coal Tar Pitch Distillation
- Coolant (Automotive) & Grease (CTB or Axle)
- Coolant, Brake Oil, Packing of Lubricant Oil & Greases
- Crude Oil Refining (Refinery)
- Dearomatization of Kerosene Oil
- Disposable Baby Diaper
- Ethanol from Molasses
- Fuel Bricks from Ground Nuts, Soyabean Hulls and Jute
- Furnace Oil
- Gas Filling of LPG Cylinder
- Grease & Lube Oil Blending Plant

- Grease (Calcium, Lithium & Sodium)
- Guar Gum Powder (Drilling Grade)
- Heavy Liquid Paraffin
- Light Liquid Paraffin Oil
- Liquid Shoe Polish
- LPG Bottling Plant
- LPG Cylinder Refilling Plant
- Lube Oil
- Lube Oil Blending Based on Imported Base Oil
- Lube Oil Blending Plant (Engine Oil, Gear Oil & Grease)
- Lubricants Blending Plant (Lubricants, Grease, Brake Fluid, Coolant)
- Microcrystalline Wax from Sludge of Petrochemical Refinery
- Mobile Oil (Lube) & Grease
- Mosquito Repellent Candle
- Naphtha Base Solvent
- Naphtha Based Thinner
- OCTG Tube and Fittings
- Paraffin Wax
- Paraffin Wax (Petroleum Wax)
- PE Wax Emulsion
- Petroleum Coke
- Petroleum Distillation Plant (Oil Distillation Refinery Plant)
- Petroleum Jelly

- Polyethylene Wax
- Reclamation of Used Engine Oil
- Reclamation of Used Engine Oil by Alkali Refining Process (Caustic Soda)
- Refining of Used Engine Oils for Making Base Oil
- Refining of Used Lubricating Oil
- Re-Refining of Engine Oil, Transformer Oil & Hydraulic Oil
- Shoe Polish
- Silicone Grease & Lubricants
- Solid Fuel Cake
- Solvent and Thinners
- Transformer Oil
- Transformer Oil from Base Oil
- Used and Waste Oil Recycling
- Vacuum Distillation of Crude Coal Tar (Specifically Creosote Oil)
- Washable Knitting Lubricating Oil
- Waste Lubricating Oil Recycling
- Wax Crayon
- Wax from Slack Wax
- White Oil from Kerosene Oil
- White Petroleum Jelly Industry
- Wire Drawing Lubricants
- Wool Batching Oil
- Zero Qi Pitch for Graphite

Pharmaceutical, Drugs, Fine Chemicals, Bulk Drug Intermediates, Pharmaceutical Drugs, Pharma Drug Ingredients Intermediates, Drug Intermediates, Speciality Chemicals, Raw Materials, Fine and Specialty Chemicals Intermediates, Pharmaceutical Bulk Drugs

- 7-Aminocephalosporanic Acid (7-Aca)
- Acrylic Teeth
- Active Pharma Ingredients (API) (Cephalexin, Ampicillin Trihydrate, Ibuprofen and Paracetamol)
- Active Pharma Ingredients (API) Manufacturing (Azithromycin, Cefixime, Telmisartan, Diclofenac Sodium, Aceclofenac)
- Acyclovir
- Aluminium Hydroxide Gel
- Amla (Gooseberry) Powder
- Amoxicillin
- Ampicillin
- Antiseptic Lotion (Dettol Type)
- Apis-Ksms-Drug Intermediates Bulk Drug Industries

- Ayurvedic Herbal Hand Sanitizer
- Ayurvedic Medicines (Chyawanprash, Cough Syrup Herbal, Ayurvedic Hair Oil, Jawahar Mohra & Mukta Shukti Tablets)
- Ayurvedic Pharmacy
- Bitter Gourd (Karela) Powder
- Black Braided Silk Surgical Suture
- Blood Bags
- Bovine Serum Albumin
- Bulk Drugs
- Caffeine from Tea Waste
- Calcium Gluconate
- Cellulose Powder
- Cenosphere Processing Plant
- Ciprofloxacin Hydrochloride (Cipro) - Active Pharma Ingredient

SELECTED PROJECTS FOR RIGHT INVESTMENT

- Clean Room for Pharmaceutical Unit
- Cloxacillin
- Corn Processing Plant (For Glucose Syrup & Fructose)

- Cough Syrup
- Cross-Linked Sodium Carboxymethyl Cellulose
- Dcda - Dicyandiamide (2-Cyanoguanidine)
- Dental Materials (Alginate, GI Cement, Composite Resin and Polycarboxylate Cement)
- Dextrin from Starch
- Dextrose Anhydrous, Sorbitol & Vitamin C
- Dextrose Injection
- Dextrose Powder
- Dextrose Saline

- Dextrose Saline, Intravenous Sugar Solution
- Disposable Plastic Syringes (2ml, 5ml, 10ml and 50ml)
- Disposable Plastic Syringes and Needles
- Empty Gelatin Capsules
- Empty Hard Gelatin Capsules

- Fructose Syrup from Broken Rice
- Gelatin Capsules Soft and Hard (Vegetable and Non-Veg. Base)
- Gelatin from Bones
- Gelatin Sponge

- Glucose Saline (Intravenous Sugar Solution) IV Fluids Used in Hospitals, Nursing Homes
- Glycerin
- Glycerol Monostearate (NSE/SE Grade)
- Hemodialysis Blood Tubing
- Homeo & Bio Medicines with Mother Tincture
- I V (Intravenous) Fluid (FFS Technology)
- I V Fluids (BFS Technology)
- I.V. Fluids (Saline and Dextrose)
- Implantable Surgical Suture (Biomedical Textile)
- Intravenous Sugar Solution
- Invert Sugar
- Invert Sugar Enzyme Based

- IV Cannula
- IV Fluid
- IV Fluid (Automatic Plant)
- IV Fluid (International Standard)
- IV Fluid and Dialysis Solution
- IV Fluids in Plastic Bottles (IV Solution Automatic System)
- L-Ascorbic Acid
- Liquid Glucose from Rice

- L-Lysine from Microbial Fermentation
- Maize Processing for Glucose
- Maize Starch & Liquid Glucose
- Mannitol
- Medical Alcohol from Date Juice Concentrate
- Medical Devices & Surgical Disposables
- Medicated Lozenges like Strepsils, TUSG
- Menthol Crystal
- Methylated Spirit from Sugarcane Molasses
- Microcrystalline Cellulose (Pharmaceutical Grade)
- Natural Glycerine
- Nicotine from Tobacco Waste

- Orlistat
- Oxygen (500 Industrial Gas Cylinders And 500 Medicated Gas
- Oxygen Gas Plant
- Paracetamol (Acetaminophen)
- Paracetamol Used Phenol as Building Block
- Petroleum Jelly
- Pharmaceutical (Betalactam and Non Betalactam)
- Pharmaceutical (Biotech Traditional and Genetic)
- Pharmaceutical Grade Sugar
- Pharmaceutical Pellets and Granules
- Pharmaceutical Tablets, Syrup, Capsules, Liquid Oral, Ointment, Powder and Injection
- Pharmaceutical Unit (Automatic Plant of Tablet and Capsule)
- Pharmacy College (B-Pharma and D-Pharma)
- Protein
- Quinine Sulphate from Cinchona Bark
- Ready Mix Coating Powder Used for Coating of Pharmaceuticals Tablets for Regular Fill Coating and Functional Film Coating
- Rectified Spirit
- Ringers Lactate Solution
- Salicylic Acid Aspirin
- Saline and Dextrose Fluid (IV)

- Sanitary Napkins
- Sorbitol, Maltitol, Dextrose Anhydrous and Vitamin-C
- Soya Protein
- Starch and Allied Products from Maize (Starch, Liquid Glucose, Dextrose Monohydrate, Dextrose Anhydrous, Sorbitol and Vitamin C)
- Sterile Water (Sterilized Water) For Injection
- Sterile Water for Injection with BFS Technology
- Sulfamethoxazole
- Surgical Cotton & Bandages
- Surgical Gloves
- Surgical Methylated Spirit (Denatured Alcohol Surgical Spirit)
- Surgical Sutures Materials (Surgical Gut, Polyglactin, Polyglycolic Acid, Poliglecaprone, Polydioxanone, Nylon, Polypropylene, Polyester)
- Thiourea (Using Carbon Disulphide)
- Veterinary Medicines (Powder, Tablets & Capsules)
- Virgin Coconut Oil
- Vitamin 'C' Manufacturing from Sorbitol
- Vitamin C
- Vitamin C (Ascorbic Acid)
- Wood Plastic Composite (WPC)
- Xanthan Gum (Food and Oil Drilling Grade)

- X-Ray Films

hotels, business is provided for the construction industry and related trades. Equipment, furniture and furnishings are supplied to hotels by a wide range of manufacturers. INR ($1.7 Billion) in 2019 and average annual revenue/ room was ~$12,400 per annum.

Carbon Black
Set up a Unit of Carbon Black Manufacturing Business

Under regulated conditions, carbon black is virtually pure elemental carbon in the form of colloidal particles formed by incomplete combustion or thermal decomposition of gaseous or liquid hydrocarbons. It has the appearance of a finely divided black pellet or powder. Its properties of specific surface area, particle size and shape, conductivity, and colour influence its use in tyres, rubber and plastic products, printing inks, and coatings. Carbon black is also among the top 50 industrial chemicals produced annually in terms of tonnage. Global production is currently around 8.1 million metric tonnes. Carbon black is used in approximately 90% of rubber applications, 9% as a dye, and the remaining 1% as an important component in hundreds of different applications.

Carbon black is applied to polypropylene to absorb ultraviolet radiation, which would otherwise weaken the material. Some radar absorbent papers, photocopier and laser printer toner, and other inks and paints contain carbon black particles. Carbon black's high tinting power and stability have led to its use in the colouring of resins and films. Carbon black has been used in a variety of computer applications. Carbon black is used as a filler in plastics, elastomers, films, adhesives, and paints because it is a strong conductor of electricity. It's used in car fuel caps and pipes as an antistatic additive.

Carbon black is most commonly used as a reinforcing filler in rubber products, especially tyres. While a pure gum vulcanization of styrene-butadiene has a tensile strength of just 2 MPa and no abrasion resistance, compounding it with 50% carbon black by weight increases its tensile strength and wear resistance, as shown in the table below. It's often used in elastomers for aircraft vibration control components like engine mounts in the aerospace industry. Carbon black is used in almost all rubber products where tensile and abrasion wear properties are significant, so they are black in colour. Precipitated or fumed silica has been used to replace carbon black in applications where physical properties are necessary but colours other than black are needed, such as white tennis shoes. Silica-based fillers are also gaining traction in automotive tyres, where they offer a better balance of fuel efficiency and wet handling thanks to lower rolling loss.

PROJECT COST ESTIMATE
CAPACITY

Capacity	: 167 MT Per Day
Plant & Machinery	: ₹ 2563 Lakhs
Cost of Project	: ₹ 8249 Lakhs
Rate of Return	: 49%
Break Even Point	: 25%

Types of Carbon Black

• Hard Blacks (also known as tread grades or reinforcing Carbon Black) are a form of furnace Carbon Black with a nitrogen surface area of at least 70 m2/g.

• Soft Blacks (also known as carcass grades or semi-reinforcing Carbon Black) are a form of carbon black with a nitrogen surface area of 21 to 69 m2/g.

In 2006, total production was estimated to be around 8,100,000 metric tonnes (8,900,000 short tonnes). Carbon black consumption in 2015 was projected to be 13.2 million metric tonnes, worth US$13.7 billion, and is forecast to rise to 13.9 million metric tonnes, worth US$14.4 billion, in 2016. Between 2016 and 2022, global demand is expected to rise at a CAGR of 5.6 percent, reaching 19.2 million metric tonnes estimated at US$20.4 billion. Carbon black is most commonly used as a pigment and reinforcing process in vehicle tyres (70 percent). Carbon black also aids in the transfer of heat away from the tread and belt areas of the tyre, reducing thermal damage and extending the life of the tyre. Belts, hoses, and other non-tyre rubber products account for around 20% of global demand. The remaining pigment is mostly used in inks, coatings, and plastics. Entrepreneurs who invest in this project will be successful.

Rose Plantation and Rose Oil Extraction

There are more than 5000 varieties of rose in India of which only a few yield essential oils. The varieties that are grown in India for obtaining essential oils are rosa damascena mill (Fasli Rosa) and rosa borboniana desp (Edward Rose). Generally, rose plants are 6ft high from the land. The Maharashtra, Tamil Nadu, Karnataka, and West Bengal are the most rose farming project state in India. The successful commercial rose farming process mostly depends on the varieties of rose flower. In latest technology, there are many rose planting methods are available but the rose cultivation in greenhouse method is very famous and convenient for rose plants.

The Indian Floriculture market was worth INR 188.7 Billion in 2019. Floriculture also known as flower farming refers to the cultivation of flowering and ornamental plants. Although flowers have been an integral part of the Indian society and were cultivated for various purposes ranging from aesthetic to social and religious purposes, the commercial floriculture industry has been of recent origin. A strong increase in the demand for cut and loose flowers has made floriculture as one of the important commercial trades in Indian agriculture. Looking forward, IMARC Group expects the Indian Floriculture market to exhibit strong growth during 2020-2025.

The increasing importance of natural extracts as pharmaceutical & natural cosmetic aid and their use as nutraceutical ingredients in recent times has opened up new vistas for this sector besides their widespread use as flavor & fragrance ingredients. India will play a dominant role in the production & processing of these natural extracts. Country's biodiversity coupled with competent scientific force, make our country as the best choice to become a foremost leader in aroma business in the coming years.

PROJECT COST ESTIMATE
CAPACITY

Rose Oil (Packed in 100 ml size Bottle)	: 0.7 Ltrs / Day
Rose Water (Packed in 100 ml size Bottle)	: 2,500 Ltrs / Day
Plant & Machinery	: ₹ 150 Lakhs
Cost of Project	: ₹ 564 Lakhs
Rate of Return	: 29%
Break Even Point	: 58%

The rose oil helps to provide an even tone complexion by diminishing redness from skin. Moreover, its property to reduce and tackle inflammation to skin makes it more preferable among the consumers. The product is mostly preferred by the consumers having dry and sensitive skin as the product helps to soothe and moisturize the skin for a longer period. The above-mentioned factors are beneficial for the skin sensitive population, thereby driving the sales of the product. Rise in disposable income among consumers to purchase skincare products irrespective of cost factor is anticipated to impact the growth of the rose oil market in the coming years. Thus, due to demand it is best to invest in this project.

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 spirits (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%

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 products 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.

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%

Metal Cutting Wheels (TMT Bar Cutting)

A 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 jam-

ming the wheel into your workpiece.

Abrasive Wheels Market by Product (Bonded Wheels and Super Abrasive Wheels) and by Material Type (Aluminum Oxide, Zirconia Alumina, Silicon Carbide, and Ceramic Aluminum Oxide): The global abrasive wheels market was approximately USD 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.

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%

OUR BANK DETAILS

Bank	HDFC Bank Roop Nagar, Delhi - 110007
Current A/c No.	59207871640641
RTGS/NEFT	HDFC0000339
MICR CODE	110240053

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Our Database of Businesses includes the following fields:

- Company Name
- Phone
- Address
- City
- State
- Website
- Fax
- Zip
- Country
- Industry, Product & Services

Our Business Directories are useful for existing businesses looking to expand, a potential inward investor looking to reach Business World, or simply to forge links with the competitive businesses already located in our database.

Reasons for Buying Our Reports

- Our report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product
- Our report provides vital information on the product like its characteristics and segmentation
- Our report helps you market and place the product correctly by identifying the target customer group of the product
- Our report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials
- The report provides a glimpse of government regulations applicable on the industry
- The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions.

Our Approach

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players
- 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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Market Research Reports

While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/ line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- Good Present/Future Demand
- Export-Import Market Potential
- Raw Material & Manpower Availability

The report provides an expansive market analysis by covering areas like: growth drivers, trends prevailing in the industry, Demand-Supply Situation, Foreign Trade, Porters 5 Forces Analysis, regulatory framework as well as comprehensive SWOT analysis of the sector.

The report further establishes the regulatory framework of the industry. It encapsulates the status of the current legislation in the industry as well as the recent changes and developments in the regulations. The report also provides key player profiles along with key financials and comparison. The market research report shares vital information like shareholding pattern, revenue mix, plant location and financial summary of the key companies.

The market forecasts are developed on the basis of:

- Secondary Research
- Surveys One-on-one Interactions Databases
- Industry Sources

It covers contact information of Present major players like address of registered office, key financials like plant location, raw material consumption and financial comparison covering balance sheet, profit & loss account and financial ratios. The report by its graphical representation and forecasts of key data indicators helps in analyzing the market potential by elaborating on various factors that will contribute to the consumption growth of products in India, import-export markets of the products as well as market size and outlook of the industry.

Scope & Coverage of Market Research Report are:

- Present Status (Indian & Global)
- Internal Market Analysis
- Outlook & Forecasts (5 Years)
- SWOT & Porters Analysis

We at NPCS, through our reliable expertise in the project consultancy and market research field, have identified different projects, which satisfies all the customer requirements and has high growth potential in the market. We help catalyze business growth by providing distinctive and profound market analysis. We use authentic & reliable sources to ensure business precision and through our report we aim to help you make sound and informed business decision. We have built a veritable reputation for our commitment to fulfilling our clients' exacting market research solutions. Our team of experts specializes in offering syndicated market research reports, customized research reports and consulting services at cutthroat prices.

Reasons for Buying Report:

- The research report helps you get a detail picture of the industry by providing overview of the industry along with the market structure and classification.
- The report provides market analysis covering major growth driving factors for the industry, latest market trends and regulatory framework of the industry.
- Report provides analysis and in-depth financial comparison of major players/competitors.
- Report provides indispensable buyers data with their company financials as well as the contact details, which can be an important tool in identifying the target customers.
- The report provides forecasts of key parameters which helps to anticipate the industry performance.
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report.

List of Ready Available Reports:

1. India Active Pharmaceutical Ingredient (API) Market
2. Maize (Corn) Products in India (Starch, Glucose, Dextrose, Sorbitol)
3. Cold Chain Logistics in India (Cold Storage & Reefers)
4. Market Research Report on Milk Processing & Dairy Products
5. Market Research Report on Packaged Fruit Juices & Drinks
6. Market Research Report on Future Potential of Flexible Packaging
7. Medical Devices & Disposables Industry
8. India Natural Food Colour Market
9. Bakery Industry in India
10. India Lithium-Ion Battery Market
11. Market Research Report on Detergent Industry
12. Market Research Report on FEMININE HYGIENE PRODUCTS
13. Market Research Report on Future of Online Retailing in India
14. Market Research Report on Edible Oils in India
15. India Beer Market
16. Vacuum Blood Collection Tube Market
17. Aluminium Easy Open End