The Complete Technology Book on Snacks Foods (2nd Rev. Edn.)
There are plenty of marketing niches and slots to be filled in the Snacks Food area. This book attempts to provide the processes for the manufacture of various Snacks food items which has tremendous domestic and export market. $1745.75 US$ 200

Modern Technology of Confectionery Industries
Confectionery in a broader sense implies the preservation of sweet meat preparation in the form of candies, chocolates, chocolates, processed cocoa products and traditional Indian confections. Special attention was given to making on desired color, texture, size, and flavor parameters and equipment used with the help of process diagrams wherever necessary. Apart from these it also contains detailed cooking techniques, formulae, processes, the incorporation of food color, and above all, control aspects along with sources of plant, machinery and raw material. $600.00 US$ 100

The Complete Technology Book on Cocoa, Chocolates, Ice Cream and other Milk Products
Cocoa, Chocolate and Ice cream are the products which have a good nutritious value and relatively inexpensive food. Cocoa butter is used in chocolates, and other confectionery products. Now a days chocolate and ice creams are gaining good popularity among the society all over the world. The present book contains formulae, processes and other relevant details related to manufacture of Cocoa, Chocolates, ice creams and other milk products. An attempt has been made to bring it to the focus significant aspect of cocoa products, dairy products manufacturing. $1275.00 US$ 125

The Complete Book on Dairy (2nd. Rev. Edn.)
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The Complete Technology Book on Baking Products: Baking Science with Formulation & Production (3rd Rev. Edn.)
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The people in the world require millions of pounds of food, one mouthful at a time, during the period from one food harvest to the next. Modern man's foods are perishable commodities, they begin to deteriorate shortly after harvest. This book explains the flow of reactions and the elements of the technology of food preservation. Relevant information on processes, additives, flavoured, adition, etc., has been given. $1275.00 US$ 125

The book contains the manufacturing processes and other related informations of important Oils, Fats and their derivatives. $1745.75 US$ 150

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Food Flavours, Additives and Condiments Technology Handbook
The people in earth require about 3.4 billion pounds of food, one mouthful at a time, during the period from one food harvest to the next. All man's foods are perishable commodities. They begin to deteriorate shortly after harvest. This book explains the flow of reactions and the elements of the technology of food preservation. Relevant information on processes, additives, flavoured, adition, etc., has been given. $1275.00 US$ 125

Handbook on Drying, Milling and Production of Cereal Foods
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The Complete Book on Spices & Condiments
The great mystery and beauty of spices is their use, blending and ability to change and enhance the character of food. Spices and condiments play an important role in the national economies of several spice producing, importing and exporting countries. India is one of the major spice producing and exporting countries. The present book contains cultivation, production and processing of several spices and condiments which are well known for their multiple uses in every household all over the world. $2275.00 US$ 200

The Complete Book on Fruits, Vegetables and Food Processing
The book includes dehydration process of Onion, roasting of coffee beans, development process of Ginger, drying of peppers, dehydrating of potatoes chips, processing of rice, butter and margarine, cane sugar processing and preservation of jack fruit characteristics of sweetened dates, cereal grains, instant chutneys from papayas and gogar, starch isolated from potato tubers, coating of cashew kernel baby bits. packaging and storage of biscuits containing finger milt flour, storage effect on microbial safety of processed and preserved quality evaluation of ready-to-eat watermelon nectars etc. $1745.75 US$ 150

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Hybrid Electric Scooter Assembling

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

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

The potential of electric vehicles in this segment is massive, say industry executives, given that more than 17 million two-wheelers are sold annually in the country. This facilitates the development of new technologies and ensures a high quality product.
# Process Technology Books

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<td>1575/- 100</td>
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<tr>
<td>The Complete Book On Ferrous, Non-Ferrous Metals With Casting And Forging Technology</td>
<td>1575/- 125</td>
</tr>
<tr>
<td>The Complete Technology Book on Aluminium And Aluminium Products</td>
<td>1475/- 150</td>
</tr>
<tr>
<td>The Complete Technology Book On Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of Flat Products &amp; others)</td>
<td>1625/- 150</td>
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<tr>
<td>Steel and Iron Handbook</td>
<td>1775/- 150</td>
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<tr>
<td>Handbook on Steel Bars, Wires, Tubes, Pipes, S.S. Products and FERROALLOYS &amp; AUTOMOBILE COMPONENTS</td>
<td>1775/- 150</td>
</tr>
<tr>
<td>Metal Casting &amp; Processing</td>
<td>1775/- 150</td>
</tr>
<tr>
<td>The Complete Book On Production of Automobile Components &amp; Allied Products</td>
<td>1475/- 150</td>
</tr>
<tr>
<td>Shaft, Piston, Pin, Piston Ring, Valve, Control Cable, Engine Mount, Auto Lock, Blank, Drum, Gear, Leaf Spring, Shock Absorber, Silencer, Chain, Cylinder Block, Battery, Tyre &amp; Flaps</td>
<td>2275/- 200</td>
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</table>

**COATING & INK TECHNOLOGY BOOKS**

<table>
<thead>
<tr>
<th>NAME OF BOOK</th>
<th>PUBLICATION COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected Formulary Book on Coatings, Drugs, Cleaners, Soaps &amp; Detergents</td>
<td>1475/- 150</td>
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<tr>
<td>Selected Formulary Book on Inks, Paints, Lacquers, Varnishes &amp; Enamels</td>
<td>1475/- 150</td>
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**SURFACE TECHNOLOGY BOOKS**

<table>
<thead>
<tr>
<th>NAME OF BOOK</th>
<th>PUBLICATION COST</th>
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<tbody>
<tr>
<td>The Complete Technology Book On E-Waste Recycling (Printed Circuit Board, LCD, Cell Phone, Battery, Computers)</td>
<td>1475/- 150</td>
</tr>
<tr>
<td>The Complete Technology Book on MAZING BIOMASS BASED PRODUCTS (BIOCHEMICALS, BIOFUELS, ACTIVATED CARBON)</td>
<td>175/- US$ 150</td>
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**WASTE MANAGEMENT**

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<tr>
<th>NAME OF BOOK</th>
<th>PUBLICATION COST</th>
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<tbody>
<tr>
<td>Handbook on Medical and Surgical Disposable Products (Blood Bags, Plastic Gloves, I.V. Cannula, Infusion Sets, Gowns, Masks, Catheter, Cotton and Bandage, Surgical Instruments)</td>
<td>1295/- US$ 125</td>
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<tr>
<td>Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA)</td>
<td>1295/- US$ 150</td>
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**Disposables Products Manufacturing Handbook**

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<th>PUBLICATION COST</th>
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</thead>
</table>

**Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook**

<table>
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<tr>
<th>NAME OF BOOK</th>
<th>PUBLICATION COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Printed Circuit Board, LCD, Cell Phone, Battery, &amp; E-Waste Recycling)</td>
<td>1475/- US$ 150</td>
</tr>
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</table>

**APRIL 2019**

Visit us at: www.niir.org • www.entrepreneurindia.co
Biodegradable Plastic Bags from Corn Starch

Biodegradable shopping bags are made of polymers that degrade, or decompose, when exposed to air, water, or sunlight. Biodegradable packaging provides natural and easily degradable protection when used mainly for the presentation and packaging of the products from the moment the production process begins until the product is administered or consumed.

Biodegradable Plastics Market by Type (PLA, PHA, PBS, Starch-Based Plastics, Regenerated Cellulose, PCL), by Application (Packaging, Fibers, Agriculture, Injection Molding, and Others)—Global Trends & Forecasts to 2020 says biodegradable plastics market is projected to be worth more than USD 3.4 billion by 2020 growing at around 10% CAGR. Thus, due to demand it is best to invest in this project.

Activated Charcoal from Bamboo

Activated charcoal is a non graphite form of charcoal and is micro crystalline in nature. It is extensively used in various industries as a very good adsorbent for odour or colour. Activated charcoal is an important component of filter material for the removal of hazardous components in exhaust gases for the purification of drinking water and for waste water treatment.

Activated Charcoal Market is expected to garner 2,776 kilo tons and $5,129 million by 2022, registering a CAGR of 6.83% and 9.32% during the forecast period 2016-2022. Granular activated charcoal (GAC) is expected to hold over 30% of the total market consumption in 2024. As a whole any entrepreneur can venture in this project without risk and earn profit.

Non Woven Fabric

Nonwoven fabrics are broadly defined as sheet or web structures bonded together by entangling fibers or filaments (and by perforating films) mechanically, thermally or chemically. Nonwoven fabrics are engineered fabrics that may be single-use, have a limited life, or be very durable. Nonwoven fabrics provide specific functions such as absorbency, liquid repellence, resilience, stretch, softness, strength etc. Nonwoven fabric is used alone or as components of apparel, home furnishings, health care, engineering, industrial and consumer goods.

Non-woven fabric market is expected to grow around 8.2% during the period 2018 to 2023 and is projected to be worth more than USD 3.4 billion by 2020 growing at around 10% CAGR. Thus, due to demand it is best to invest in this project.

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

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

India Lead Acid Battery Market is projected to grow at a CAGR of over 9% during 2018-24. India lead acid battery market is projected to reach to $ 7.6 billion by 2023. Anticipated growth in the market can be attributed to booming demand for automobiles, in addition to increasing focus of the government to garner 2,776 kilo tons and $5,129 million by 2022, registering a CAGR of 6.83% and 9.32% during the forecast period 2016-2022. Granular activated charcoal (GAC) is expected to hold over 30% of the total market consumption in 2024. As a whole any entrepreneur can venture in this project without risk and earn profit.
ment towards boosting the penetration of electric vehicles in the country. Entrepreneurs who invest in this project will be successful.

**Curcumin Extraction Unit**

Curcumin is the main biologically active phytochemical compound of Turmeric. Molecular chemical formula of Curcumin: C21H20O6. The most important constituents in organic turmeric are Curcurnoids, which is approximately 6%, and the yellow coloring principles of which Curcumin constitutes 50-60%. Curcumin is widely used to colour many foods.

India is one of the largest manufacturers of curcumin, contributing to more than 80.0% of the global production. India & China are the major suppliers of Curcumin. The turnover of Curcumin could reach USD 94.32 million in 2022. India contributes 80% of world production and roughly 60% of export. Indian Curcumin market size accounted for over 81% of the overall Asia Pacific revenue most of these as a food coloring agent. Thus, due to demand it is best to invest in this project.

**Xanthan Gum Oil Grade: 720 Kgs./Day**

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.

**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.

**Activated Carbon from Coconut Shell**

The term Activated carbon, active carbon, or active charcoal is usually applied to amorphous carbons possessing higher absorption capacities than wood or coconut charcoal. It is available in many forms such as pellets, granules and in powder form. Activated carbon is very important chemical has wide application and employed by numerous industries which require absorption of certain gases and vapours in purification, in catalytic chemical reactions, decolorisation of vegetable oil and sugar solutions.

Activated Carbon Market is expected to garner 2,776...
kilo tons and $5,129 million by 2022, registering a CAGR of 6.83% and 9.32% during the forecast period 2016-2022. Granular activated carbon (GAC) is expected to hold over 30% of the total market consumption in 2024. As a whole any entrepreneur can venture in this project without risk and earn profit.

**Bio-Degradable Plates from Areca Nuts Tree Leaf, Barks and Bamboo**

Areca Leaf Plates are made from areca leaf, which are eco friendly and sanitized, Manufacturing in high Quality in various standard designs in products range and can be exclusive designs based on the customer reference of shapes and sizes. The areca palm tree leaves are fresh in nature, thick, which is non-toxic, free from any chemicals and pest.

The global disposable plates market is expected to reach a value exceeding US$ 117 Billion by 2023, exhibiting a CAGR of more than 2% during 2018-2023. Disposable Plates Market is projected to grow at a CAGR of 3.3% from 2016 to 2022. Entrepreneurs who invest in this project will be successful.

**Instant Noodles**

Many fast food items have flooded the markets but noodles have emerged as the most popular item as it is cheaper, very easy to make and nutritious. Urban and semi-urban markets are controlled by Maggi and other players are Top Ramen and other brands. Maggi has revolutionised the concept and this product has gone to majority of the urban households. As an off-shoot of this development, noodles have become very popular in India.

Instant noodles are mostly fried noodles which are made of lour, water, alkaline salt and other additives. The consumption of instant noodles is global due to their characteristics such as convenience to eat, easy to mass-produce, widely acceptable taste, preferred texture and affordable prices. Instant noodles are dried or precooked noodles fused with oil, and often sold with a packet of flavoring.

**COST ESTIMATION**

<table>
<thead>
<tr>
<th>COST ESTIMATION CAPACITY</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activated Carbon</td>
<td>450 MT/Annum</td>
<td>₹153 Lakhs</td>
</tr>
<tr>
<td>Plant &amp; Machinery</td>
<td>₹343 Lakhs</td>
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<tr>
<td>Rate of Return</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>Break Even Point</td>
<td>58%</td>
<td></td>
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**BOOKS ON ELECTROPLATING, ANODIZING, PHOSPHATING, POWDER COATING**

<table>
<thead>
<tr>
<th>BOOKS ON ELECTROPLATING, ANODIZING, PHOSPHATING, POWDER COATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electroplating, Anodizing &amp; Metal Treatment Book US$ 150</td>
</tr>
<tr>
<td>The Complete Technology Book on Electroplating, Phosphating, Powder Coating and Metal Finishing US$ 125</td>
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**BOOKS ON CULTIVATION OF HERBS/MEDICINAL AND AROMATIC PLANTS**

<table>
<thead>
<tr>
<th>BOOKS ON CULTIVATION OF HERBS/MEDICINAL AND AROMATIC PLANTS</th>
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</thead>
<tbody>
<tr>
<td>Handbook on Medicinal Plants US$ 125</td>
</tr>
<tr>
<td>The Complete Technology Book on Herbs Flavours, Fragrances and Perfumes US$ 150</td>
</tr>
<tr>
<td>Medicinal Plants Cultivation &amp; Their Utilization US$ 100</td>
</tr>
<tr>
<td>Aromatic Plants Cultivation, Processing and Uses US$ 100</td>
</tr>
<tr>
<td>Compendium Of Herbal Plants US$ 100</td>
</tr>
</tbody>
</table>

**SELECTED PROJECTS FOR YOU**

Alumina from Bauxite

Alumina is properly called aluminium oxide, which is a chemical compound comprised of aluminium and oxygen molecules (Al2O3). When reined from bauxite, alumina generally looks like a white powder similar to table salt or granular sugar. Aluminium is the most abundant metal in the earth’s crust and is a constituent of many minerals. Alumina is widely used in a variety of industrial abrasive materials.

India’s share in world aluminium market is estimated at around 3%. The Aluminium Market was valued at $133,564 million in 2015, and is expected to reach $167,277 million by 2022, registering a CAGR of 3.3% from 2016 to 2022. Entrepreneurs who invest in this project will be successful.

**COST ESTIMATION**

<table>
<thead>
<tr>
<th>COST ESTIMATION CAPACITY</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure Alumina</td>
<td>1,000,000 MT/Annum</td>
<td>₹700 Lakhs</td>
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<tr>
<td>Plant &amp; Machinery</td>
<td>₹1,049 Lakhs</td>
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<tr>
<td>Rate of Return</td>
<td>29%</td>
<td></td>
</tr>
<tr>
<td>Break Even Point</td>
<td>75%</td>
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</table>
India is the world’s fifth-largest consumer of instant noodles. The instant noodles market in India has been growing, mainly driven by urbanization and changing lifestyle. In addition, many international instant noodle brands have entered the Indian market in recent years and shaken up the industry that had been dominated by a monopoly for almost 30 years. The noodle strands coming out from the pair of cutting rolls are processed into different kinds of noodles such as uncooked wet noodles (nama-men), dried noodles (kan-men), boiled noodles (yude-men). Thus, due to demand it is a good project for entrepreneurs to invest.

### Calcium & Zinc Stabilizers
Calcium-based stabilisers (including Ca-Zn ones) are now largely used in wires and cables, in window and technical profiles and in any type of pipes as well as the corresponding fittings. Ca-Zn stabilisers are used as metallic soaps such as stearates. Calcium-based stabilisers have also been introduced in PVC rigid calendering film production. CaZn stabilizers already hold a larger market share than lead. They provide excellent electrical properties, very good color, outstanding heat stability, good heat aging properties, and are in some cases superior to lead. Market share is expected to reach USD 7 billion by 2024. Which facilitates the development of new technologies and ensure a high quality product.

### Fatty Alcohol
Fatty alcohols (or long-chain alcohols) are high-molecular-weight, straight-chain primary alcohols, but can also range from as few as 4-6 carbons to as many as 22-26, derived from natural fats and oils and used in the pharmaceutical, detergent or plastics industries.

India Oleochemicals Market By Type, By End Use Industry, Competition Forecast and Opportunities, 2011-2025. India oleochemicals market is projected to cross US$2.6 billion by 2025. Fatty alcohol market size was estimated at more than 2,400 kilo tons in 2015 and is likely to exceed 3,350 kilo tons by 2023, growing at a CAGR of over 4.2%. This facilitates the development of new technologies and ensures a high quality product.

### Pectin from Citrus, Lemon and Oranges
Pectin is a naturally occurring substance (a polysaccharide) found in all plant tissue, calcium pectin being present between the cell walls and serving as a strengthening or building agent. Fruits naturally possessing relatively large amount of pectin include lemons, bitter oranges, apples, quinces, currants and plums.

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

Thus, softwood is most commonly used with spruce, fir and pine being the most common woody raw materials. Wood has been used for heating and fuel purposes for thousands of years. The wood industry has found itself on the verge of a revolution, however, because of the rapid increase in development and utilization of new wood-based solid and liquid fuels. Wood pellets represent an alternative to the use of coal, gas and even traditional wood logs and chips. Pellets in the U.S. are sold in bags by retailers, adding about $20 per ton in packing, Pellets and wrapping material. With an average price of $276 per ton as of November, pellets can be found for as low as $176 per ton, or as high as $600 per ton in the Northern U.S. approximately 35 new facilities, in addition to the previously existent 15 plants, have started operations. With an average capacity of 66,000 tons per year, and several new facilities planned for 2018 and 2019. As a whole there is a good scope for new entrepreneur to invest in this business.

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### SELECTED PROJECTS FOR YOU

<table>
<thead>
<tr>
<th>COST ESTIMATION CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instant Noodles</td>
</tr>
<tr>
<td>5000 Kgs/Day</td>
</tr>
<tr>
<td>(75 gms Pouches)</td>
</tr>
<tr>
<td>Plant &amp; Machinery</td>
</tr>
<tr>
<td>₹ 125 Lakhs</td>
</tr>
<tr>
<td>Cost of Project</td>
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<tr>
<td>₹ 386 Lakhs</td>
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<tr>
<td>Rate of Return</td>
</tr>
<tr>
<td>25.83%</td>
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<tr>
<td>Break Even Point</td>
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<tr>
<td>54.21%</td>
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### Wood Pellets from Saw Dust

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<th>COST ESTIMATION CAPACITY</th>
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<tbody>
<tr>
<td>Wood Pellets</td>
</tr>
<tr>
<td>16.0 MT/Day</td>
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<tr>
<td>Plant &amp; Machinery</td>
</tr>
<tr>
<td>₹ 80 Lakhs</td>
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<tr>
<td>Cost of Project</td>
</tr>
<tr>
<td>₹ 350 Lakhs</td>
</tr>
<tr>
<td>Rate of Return</td>
</tr>
<tr>
<td>26%</td>
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<tr>
<td>Break Even Point</td>
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<tr>
<td>51%</td>
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## Market for pectin has been witnessing significant growth on account of rising demand for food products from developed as well as developing economies. The industry has been mature in developed regions such Europe, followed by North America. However, the industry for pectin is anticipated to grow rapidly in emerging economies such as China and India owing to change in lifestyle of
the individuals as well as changing consumer preferences for convenience foods. Moreover, economic development in China has resulted in increasing purchase power of consumers, leading to increasing demand for high-quality processed foods.

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

**E-Waste Recycling Plant**

E-WASTE is a collective name for discarded electronic devices that enter the waste stream from various sources. It includes electronic appliances such as televisions, personal computers, telephones, air conditioners, cell phones, electronic toys, etc. The Electronics Recycling operates to the WEEE directive for competent electronics disposal. The WEEE Directive aims to reduce the quantity of waste from electrical and electronic equipment and increase its reuse, recovery and recycling.

India’s ‘production’ of e-waste is likely to increase by nearly three times, from the existing 18 lakh metric tons (MT) to 52 lakh MT per annum by 2020 at a compound annual growth rate (CAGR) of about 30%. A mere 1.5% of India’s total e-waste gets recycled. This facilitates the development of new technologies and ensures a high quality product.

**Cotton Ball (Hospital and Cosmetic Use)**

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

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

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

**Organic Dragon Fruit Farming**

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

India gets a taste of exotic dragon fruit. This fruit of a vine-like cactus has white flesh peppered with tiny edible black seeds. Its popularity is growing beyond metros to other cities, particularly in south India. The fruit was selling for about US$10 per kg, according to the Handbook of Organic Agriculture.
Cashew Nut Shell Oil

Cashew (Botanical name Anacardium Occidentale) was introduced in India by the Portuguese four centuries ago mainly to prevent soil erosion. Cashew Nut Shell Liquid (CNSL) is a versatile by-product of the cashew industry. The nut has a shell of about 1/8 inch thickness inside which is a soft honey comb structure containing a dark reddish brown viscous liquid. It is called cashew nut shell liquid, which is the pericarp fluid of the cashew nut. These units adopt either the Drum Roasting Method or Hot Oil Bath Process while processing cashew nuts. It is reported that raw cashew nuts contains over 20% oils in the shells.

India is the largest consumer and the second largest producer of cashew nut shell liquid in the world. The linear and quadratic trend models estimated India’s cashew nut shell liquid export to be at 19,044.37 tonnes and 23,483.48 tonnes for 2019 and 2020 respectively.

Hence, there has been a steady increase in the cashew nut shell liquid export. This facilitates the development of new technologies and ensures a high quality product.

Xanthan Gum (Food and Oil Drilling Grade)

Xanthan gum is a polysaccharide with many industrial uses, including as a common food additive. It is an effective thickening agent and stabilizer.

Book on Agriculture

<table>
<thead>
<tr>
<th>Title</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>The Complete Book on Ginger Cultivation and Manufacture of Value Added Ginger Products</td>
<td>₹1050/-$150</td>
</tr>
<tr>
<td>Handbook on Rice Cultivation and Processing</td>
<td>₹1075/-$150</td>
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<tr>
<td>The Complete Book on Coconut &amp; Coconut Products (Cultivation and Processing)</td>
<td>₹1100/-$175</td>
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<tr>
<td>The Complete Book on Mushroom Cultivation and Processing (with Cultivation, Preservation and Canning)</td>
<td>₹1275/-$195</td>
</tr>
<tr>
<td>The Complete Book on Meat, Poultry and Fish Processing</td>
<td>₹1475/-$225</td>
</tr>
<tr>
<td>The Complete Book on Beekeeping and Honey Processing</td>
<td>₹1475/-$225</td>
</tr>
</tbody>
</table>

COST ESTIMATION CAPACITY

| Cashew Nut Shell Oil | 1500 MT/Annum |
| De-Oiled Cashew Nut | 13000 MT/Annum |
| Shell Cake (bye Product) | 1500 MT/Annum |

Plant & Machinery: ₹24 Lakhs
Cost of Project: ₹159 Lakhs
Rate of Return: 27%
Break Even Point: 57%
Corrugated Cartons

Corrugated boxes form an integral part of the packaging industry. These are found everywhere helping people shift both domestic as well as industrial items safely from one place to the other. A corrugated box is quite strong and can withstand huge weights. These boxes are especially made of cardboard. Also there are partitions which basically protect items inside and hold them in place so as to avoid damage.

The global market for corrugated boxes is forecast to grow from $63.29 billion in 2016 to reach $76.76 billion by 2021, at an estimated CAGR of 3.94% with lexography printing and slotted boxes accounted for the largest market share due to the growing demand for environment-friendly packaging and growth of the e-commerce industry. Entrepreneurs who invest in this project will be successful.

Arabic Gum

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

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

Cyanoacetic Acid

Cyanoacetic acid is an organic compound. It is a white, hygroscopic solid. The compound contains two functional groups, a nitrile and a carboxylic acid. It is a precursor to cyanoacrylates, components of adhesives.

The largest scale reaction is its esterification to give ethyl cyanoacetate. Cyanoacetic acid is a versatile intermediate in the preparation of chemicals. It is a precursor to synthetic caffeine via the intermediacy of theophylline. It is a building block for many drugs, including dextromethorphan, amiloride, sulfadimethoxine, and allopurinol.

Synthesis of cyanoacetic acid by carbon dioxide and electro generated acetoniitride anion in undivided cells equipped with sacrificial anodes: The electrochemical synthesis of cyanoacetic acid was performed by cathodic reduction of tetraalkyl ammonium salts (R4NX) in acetonitrile in undivided
Sulfuric acid or sulfolinic acid is a mineral acid with molecular formula H2SO4. It is a colorless, odorless, and syrupy liquid that is soluble in water, in a reaction that is highly exothermic. Chlorosulfuric acid is the inorganic compound with the formula HSO3Cl. It is also known as chlorosulfonic acid, being the sulfonic acid of chlorine. Oleum or fuming sulfuric acid, is a solution of various compositions of sulfur trioxide in sulfuric acid, or sometimes more specifically to disulfuric acid (also known as pyrosulfuric acid). Oleum is an important intermediate in the manufacture of sulfuric acid due to its high enthalpy of hydration.

India Sulphuric Acid Market to Grow at CAGR 3.35% till 2025. Growing agriculture sector, increasing metal processing activities, coupled with rising awareness about wastewater treatment to drive India sulphuric acid market through 2025. According to the recently published TechnoSci Research report “India Sulphuric Acid Market Study, 2011–2025”, the sulphuric acid market in India is projected to exhibit a CAGR of 3.35% during 2016-2025. This facilitates the development of new technologies and ensures a high quality product.

Linear Alkyl Benzene Sulphonic Acid

Linear Alkyl Benzene Sulphonic Acid is a largest volume synthetic surfactant because of its relatively low cost, good performance, the fact that it can be dried to a stable powder and the biodegradable environmental friendliness. LAB Sulphonic Acid is an anionic surfactant widely used in formulation of all ranges of Domestic Detergents Powder, Cake & Dish wash cleaners. Due to its high active matter, miscibility with water and low salt content, it is also used in formulation of Industrial & Household liquid cleaners as well as in numerous industrial applications like as a coupling agent and as an emulsifier for agricultural herbicides and in emulsion polymerization.

Linear Alkylbenzene Sulphonate (LAS)

AGRO BASED, MILK, FARMING, FRUITS, POTATO, DAIRY VEGETABLES, SPICES, OILS & FATS, TEA

GLASS, CERAMICS, MINERALS, MINERAL PROCESSING & COAL, LIGNIN, METALS AND ALLOYS

OLEORESIN AND PINE CHEMICALS (ROSIN, TERPENE DERIVATIVES, TALL OIL, RESIN & DIMER ACIDS)

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

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

**Extraction of Salt from Sea Water**

Salt is an essential ingredient for the survival of all living creatures, including humans. Salt is needed in regulating the fluid balance of all living creatures, including humans. Iodine is used in the body for formation of thyroxin an essential hormone which affects the growth and development of the body. Iodine is naturally similar to pulp color because of high inactive vegetable oil. Commonly it is combined or mixed with coconut oil. Iodizing salt for human consumption is a modern trend. Iodine is used in the body for formation of thyroxin an essential hormone. Salt is used as a medium in supply iodine to the body. Iodization of common salts has been recognized all over the world to meet the deficiency of iodine to eradicate goiter.


E-WASTE is a collective name for discarded electronic devices that enter the waste stream from various sources. It includes electronic appliances such as televisions, personal computers, telephones, air conditioners, cell phones, electronic toys, etc. The Electronics Recycling operates to be WEEE Directive for efficient electronics disposal. The WEEE Directive aims to reduce the quantity of waste from electrical and electronic equipment and increase it’s re-use, recovery and recycling.

India’s ‘production’ of e-waste is likely to increase by nearly three times, from the existing 18 lakh metric tons (MT) to 52 lakh MT per annum by 2020 at a compound annual growth rate (CAGR) of about 30%. A mere 1.5% of India’s total e-waste gets recycled. This facilitates the development of new technologies and ensures a high quality product.

**Cost Estimation**

| Iodized Salt | 100 MT/ Day |
| Industrial Salt | 100 MT/ Day |
| Plant & Machinery | ₹ 1156 Lakhs |
| Cost of Project | ₹ 2776 Lakhs |
| Rate of Return | 29% |
| Break Even Point | 40.75% |

**Edible Oil Refinery from Crude Palm Oil**

Palm oil is edible oil which is extracted from the pulp of fruit of oil palms. The color of pulp is red. That’s why crude palm oil is naturally similar to pulp color because of high inactive vitamin A content. It is different from kernel oil or coconut oil. Commonly it is combined or mixed with coconut oil to make highly saturated vegetable fat, which is also used for cooking purposes. Reining process is a necessary step for the production of edible oils and fats products. The objective of this process is to remove the impurities and other components, which will affect the quality of finished product.

Indian edible oil industry is composed of some 15,000 oil mills, 600 solvent extraction units, 250 vanaspati units
Modern Technology of Pulp, Paper and Paper Conversion Industries
The paper conversion sectors are increasing more and more important in the life of the country and the pulp and paper conversion technology has become one of the most important. Many researchers believe that the pulp and paper conversion technology is the key to the development of the country. In order to meet the challenges, the pulp and paper industries need to continuously improve their technologies.

The Complete Book on Modern Packaging Industries
The book has been written for the benefit of entrepreneurs who can not invest large amounts and can be taken to prove the matter in a very simple way. The book is intended for those who want to diversify in this field. It can be useful for those who want to diversify in this field.

The Complete Book on Modern Technology of Textile Dyes & Pigments (2nd Rev. Edn.)
This is one of the best books on Textile Dyes and Pigments covering Formulas, Manufacturing and Processes of various Textile Dyes and Pigments. This book will be very helpful to new entrepreneurs, researchers, general information seekers and librarians who want to diversify in this field.

The Complete Book on Textile Spinning, Weaving, Finishing & Printing (3rd Rev. Edn.)
This is the book based on the latest technology involved in textile industry, it contains technology related to various sectors, e.g., weaving and printing, etc...

Screen Printing Technology: Hand Book
This method of Printing has achieved widespread popularity since the second world war, although the basic idea in this process was used by the Chinese centuries ago. The present book contains latest technologies of screen printing along with machinery pictures, addresses of suppliers of machinery and raw materials.

Handbook on Natural Dyes and Pigments
Due to increasing growth of Textile Industries, demand of Dyes and Dye Intermediates are also increasing very fast in domestic as well as in global market. This book stresses on the application of different types of Dyes and Dye Intermediates. The formuale and procedures has been described in very proper way.

The Complete Book on Natural Dyes and Pigments
Enzymes are used in the textile, leather and pharmaceutical industries, the whole world is shifting towards the manufacturing of natural dyes and pigments. The emergence of different techniques of producing different types of natural dyes and pigments is due to the increasing demand in domestic as well as in foreign market.

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## Seamless Pipes and Tubes

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

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

### Cost Estimation

<table>
<thead>
<tr>
<th>Plant &amp; Machinery</th>
<th>Capacity</th>
<th>Cost of Project</th>
<th>Rate of Return</th>
<th>Break Even Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seamless M.S. Pipe</td>
<td>50 MT/Day</td>
<td>₹ 636 Lakhs</td>
<td>27.98%</td>
<td>39.79%</td>
</tr>
</tbody>
</table>

## Acrylic Resin (Emulsion Type)

Acrylic resins have become a key component in the paints industry. The acrylic resin market is expected to grow at a CAGR of 16.7% from 2013 to 2019. As a result, the acrylic resin market is expected to grow at a CAGR of 10.5% from 2013 to 2019.

### Cost Estimation

<table>
<thead>
<tr>
<th>Plant &amp; Machinery</th>
<th>Capacity</th>
<th>Cost of Project</th>
<th>Rate of Return</th>
<th>Break Even Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Resin (Emulsion Type)</td>
<td>10 MT/Day</td>
<td>₹ 249 Lakhs</td>
<td>29%</td>
<td>56%</td>
</tr>
</tbody>
</table>

## Khaini Chewing (Geeli)

Khaini chewing, a form of smokeless tobacco is viewed to be relatively harmless by the rural folk. Khaini is tobacco with slaked lime. The negative consequences of stress as a risk factor for cardiovascular disease and reduced human performances are well studied. Stress is known to change the balance existing between the sympathetic and the parasympathetic divisions of the autonomic nervous system. Khaini chewers are likely to suffer from mental and physical exhaustion, leading to stress.

The data revealed that khaini consumption in Maharashtra increased to 15.5% in 2016-2017 from 14.5% in 2009-2010. Similarly, consumption of gutkha increased from 8.3% to 8.6%. Smokeless tobacco products is higher among women as compared to men. For example, the consumption of betel quid with tobacco is 3.8% in women as compared to 3.6% in men. Similarly, tobacco for oral application is 8.2% among females, compared to 1.9% in males. The consumption of snuff in women is 1.3% compared to 0.4% in men. As a whole there is a good scope for new entrepreneur to invest in this business.

### Cost Estimation

<table>
<thead>
<tr>
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<th>Capacity</th>
<th>Cost of Project</th>
<th>Rate of Return</th>
<th>Break Even Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geeli Readymade Khaini</td>
<td>1 MT/Day</td>
<td>₹ 13 Lakhs</td>
<td>72%</td>
<td>27%</td>
</tr>
</tbody>
</table>

## Herbs and Related Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>震慑</td>
<td>1275/- US$ 125</td>
</tr>
<tr>
<td>鬼牌</td>
<td>1875/- US$ 150</td>
</tr>
<tr>
<td>鬼牌</td>
<td>2675/- US$ 150</td>
</tr>
</tbody>
</table>

## Acrylic Resins

Acrylic resins are mostly used in the paints and coating industries. The global acrylic resin market is expected to grow at a CAGR of 16.7% from 2013 to 2019.
BEGINNING : Project Introduction, Brief History of the Product, Properties, BIS (Bureau of Indian Standard) Specifications & Requirements, Uses & Applications.

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

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


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.


Prepared by highly qualified and experienced consultants and Market Research and Analyst Supported by a panel of experts and computerised database.

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.

ABRASIVE, ASBESTOS, CEMENT, REFRACTORY PRODUCTS:
- A.C.C. (Autoclaved Aerated Concrete)
- Blocks Fly Ash Based
- Abrasive & Flint Paper
- Abrasive (Carbonbonded) Cloth (Emery Cloth)
- Abrasive and Flint Paper
- Abrasive Cake (Cement Based)
- Abrasive Cake for Floor Polishing
- Abrasive Cake for Granite & Marble Polishing
- Abrasive Emery
- Abrasive Emery Cloth Paper
- Abrasive Grinding Wheel
- Abrasive Sand Paper
- Admixture for Concrete
- Aggregate Business
- Artificial Granite Tiles
- Artificial Sand from Stones & Waste Metals
- Asbestos Cement Corrugated Sheet
- Automatic Brick Plant
- Bentonite
- Bonding Agent
- Bricks from Fly Ash (Triboelectric Beneficiation Process)
- Bricks from Furnace Dust (Used in Construction)
- Bricks from Stone Dust
- Cement (Clinker)
- Cement from Fly Ash & Lime
- Cement from Lime Stone
- Cement from Rice Husk
- Cement Grinding Unit
- Cement Plant
- Cement Plant (Large, Medium & Small Scale Unit)
- Cement Roofing Tiles
- Cement Tiles (Laying Over RCC Roof
- Ceramic Wall & Floor Tiles (Glazed Wall and Floor Tiles)
- Clay and Sand Bricks Plant (Light Wt.)
- CLC Block with Steam Curing Method
- Clinker Grinding For Cement
- Computerized Hot Mix Concrete
- Concrete Block and Ready Mix Concrete
- Emery Stone for Alto Chakki
- Emery Stone for Floor Polishing
- Ferro Cement Plant
- Fire Bricks
- Fly Ash Bricks Made from Lime Stone
- Foundry Sand (Non Ferrous Metals)
- Glass Marbles
- Granite & Marble Chips
- Granite & Marble Polishing Stone
- Granite (Marble) Polishing Battis
- Granite (Marble) Polishing Unit
- Granite Block Cutting
- Granite Monuments
- Granite Tiles and Slab
- Graphite Carbon Plate
- Graphite Insulators
- Graphite Electrode for Arc Furnace
- Grinding Wheel Making Plant
- Gypsum Based Products (Gypsum Powder, Gypsum Board & PVC Laminated Gypsum Ceiling Tiles (Integrated Production Unit)
- Hollow Blocks and Paving Tiles
- Hollow Concrete Block
- Laminated Fly Ash Bricks
- Magnesite Bond Polishing Brick
- Magnesite Resin Bond Polishing
- Brick for Granite
- Marble from Marble Mining
- Marble-Granite Cutting & Polishing Unit
- Mini Cement Plant
- Mini Cement Plant (Slag Cement)
- PPC/RCC Pipes
- Plaster of Paris (P.O.P)
- Plaster of Paris Bandages
- Plastic Bond Board from Process of HAcid Gypsum
- Portland Cement
- Precast Concrete Compound Wall
- Prestressed Concrete Sleepers
- Process Food & Spices
- Ramming Concrete and Fire Bricks from Magnesite
- Resin Bond Polishing Brick & Resin Bond Final Polishing for Marble & Granite
- Rock Sand
- Salt Glazed Stone Ware Pipes & Fittings
- Sand Lime Bricks Manufacture
- Semi-Automatic Brick Plant
- Solvent Cement
- Spun Concrete Pipe Utilization in Dist. of Electrical Line
- Stone Crushers
- Vitrified Tiles
- White Cement

ADHESIVES, INDUSTRIAL, ACRYLIC, SEALANTS, GLUES, GUMS, BINDERS
- Acrylic Adhesive
- Adhesive (Fevicol Type)
- Adhesive (Starch & Polyvinyl Acetate Based)
- Adhesive Based on Polyurethane
- Adhesive Based on Vinyl
- Acetate (Fevicol Type)
- Adhesive Content PVC Resin & DOP Paste Grade
- Adhesive for All Purpose
- Adhesive for Corrugation (Dry Powder)
- Adhesive for Stickers
- Adhesive from Sodium Silicate
- Adhesive Industries (Laminated, Fevicol, Sticker and other Types)
- Adhesive Tape for Hospital Use
- Adhesives (Neoprene Based Rubber
- Adhesive for Footwear, Polyurethane Based dhesive for Foot Wear, Epoxy
- Adhesive-Vinyl Acetate
- BOPP Pressure Sensitive Selfhesive Tapes
- Bottle Labeling Gum
- Corrugated Cartoon Boxes Gum from Tamarrin Seed Kernel (Powder Form)
- Corrugation & Pasting Adhesive (Dry Powder/Liquids)
- Electrical Insulating Tape Using BOPP Film
- Ester Gum
- Glue from Bone Sinews
- Glue from Leather Waste
- Guar Gum
- Guar Powder
- Gum (Liquid) Office Paste
- Gum Arabic (Spraying Drying Process)
- Gum from Tamarind Seed Powder
- Gums & Adhesive
- Hologram Sticker - 3D
- Hot Melt Adhesives
- Hot Melt Glue
- Hot Melt Glue Stick
- Lamination Gum Bottle Labeling
Adhesive & Wood Adhesive
String Based (Tapioca Or Maize)
Latex Based Adhesive
Leather Binder (Resin Based)
Neosol Adhesive (Rubber Adhesive)
Carboid Adhesive
Paper Tape
Plaster of Paris Bandages & Adhesive Tape
Polymer Modified Cementitious Ties
Adhesive (Both White Cement Based and Ordinary Portland Cement)
Pressure Sensitive Adhesive for BOPP Tapes
Pressure Sensitive Adhesive for BOPP Tapes
Acrylatic Based Adhesive
Pressure Sensitive Adhesive
TPA Adhesive (Fevicol Type)

PVA Electrical Insulating Tape
Rosin Sizing Agent for Paper Plant
Rubber Based Adhesives
Rubber Solution
Starch from Maize
Starch from Tapioca
Surgical Adhesive Tape on Cloth Surface
Synthetic Gum used in Textile Industry
Synthetic Rubber Adhesive
Synthetic Rubber Adhesive Like Polytir SR
Tapioca Starch Adhesive in Powder Form
Textile Printing Binder
Textile Printing Paste (Gum)
BIO-TECHNOLOGY, INDUSTRIAL BIOTECHNOLOGY, ENZYMES, PAPER, PHTYASE, LIPASE, ENZYMES, ENZYMES, FOOD BIOTECHNOLOGY, INDUSTRIAL ENZYMES, VERMICULTURE, VERMICOMPOST, BIOFERTILIZER, ORGANIC FARMING, BIOGAS, BIOCHEMICALS

Absolute Alcohol (Ethanol)
Absolute Alcohol from Molasses
Acetic Acid from Molasses
Acetic Acid from Natural Gas
Alcohol from Potatoes
Ammonia Gas
Aqua Culture Shrimp Farming
Aquaculture Fish
Activated Carbon from Prawn Farming
Baker’s Yeast
Baker’s Yeast (from Molasses)
Bio Fertilizer
Bio Fertilizer from Cotton Seed Cake
Bio Fertilizer from Rice Husk
Bio Diesel from Cooking Oil
Bio Fertilizer (Organic Fertilizers) from Garbage
Bio Fertilizer (Organic Manure)
Bio Fertilizer from Birds Excreta
Biofertilizer from Herbal Waste
Bio Fertilizer from Cow dung & others
Biomass Briquettes from Bio Waste
Biopesticide - Trichoderma, Pseudomonas, Fluorescens & Beauveria Bassiana
Bio-Stimulant and Fertilizer Stimulants
Citric Acid from Molasses
Coal Wastes
Compressed Yeast from Molasses
Cotton Seed Rosse (Floriculture)
Dehydration and Picking of Oyster Paddy Straw Mushroom
Enzymes

Enzymes (in Powder Form) used for Denim Cloth and Garment Washing
Ephedrine Hydrochloride
Ethanol as Bio Fuels
Ethanol from Rice/Rice Straw/ Rice Husk / Rice Bran
Ethylene Oxide for Molasses
Extraction of Peclin from Citrus
Flour/Flour with Green House (Cut Flower Rose)
Grain Based Distillery
Hybrid Seed Production
Hybrid Seeds
Industrial Waste
Insecticides from Neem Seeds
Neemol & Leaves
Liquid Soap from Agro & Municipal Waste
Methylated Spirit from Sugar Cane Molasses
Micro Propagation Growth of Tissue Culture
Mini Fertilizer Plant (Urea)
Municipal Garbage Treatment
Mushroom Cultivation
Mushroom Cultivation & Processing
Mushroom Cultivation & Processing with Air Conditioning
Mushroom Processing and Culturing
Organic Farming & Contract Farming
Organic Fertilizer
Organic Foods
Organic Soap from Municipal Solid Waste
Organic Yeast from Organic Market
Papain Manufacturing
Prawn Fish Farming
Pectin from Citrus, Lemon & Oranges
Tissue Culture Lab for Production of Tobacco Seeds
Tissue Cultures (100% EOY)
Veetmi – Compost
Vermifix (extracted from Solvent Extracted Spices)
Vermiculture
Vermiculture Chemical Industries
Yeast
Yeast from Molasses (Distillery Yeast)

CHEMICAL, ORGANIC, INORGANIC, INDUSTRIAL INDUSTRIES

16 DPA (Lactic Acid Precursor), Pregnoine Acetate
1-Acetonaphthene
2,4-Dichloro-Phenoxacyclic Acid
2-Chlorophenylphosphonic Acid
39% (Ethyl Chloride Concentrate
4,4-Diamino Stilbene 2-2-Dissulphonic Acid
7-Acetoxyacetaminophenylisopthalic Acid (7-ACA)
Acetone
Acetyl Acetone
Acetic Acid
Acetic Acid (Glycine)
Acetic Acid from Molasses
Acetic Acid from Natural Gas
Acetic Acid from Vinegar
Acetanaphone
Acetonitrile
Acetone Gas
Acetyl Acetone Gas & Oxygen Gas
Acid Proof/Proof Spirit Proof Caramel
Acid Slurry (By Manual Process)
Acid Slurry (L.A.B.)
Acetaldehyde Granulated Activated Carbon
Acrylic Acid and its Derivatives
Acrylic Acid from Propylene
Acrylic Acid from Propylene
Acrylic Resin (Emulsion Type)
Activated Alumina
Activated Bleaching Fuller Earth
Activated Carbon & Sodium Silicate from Rice/Paddy Husk
Activated Carbon from Bamboo
Activated Carbon from Cashew Nut Shell
Activated Carbon from Coconut Shell & Bamboo
Activated Carbon from Coconut Shell
By Steam Activation Process
Activated Carbon from Coconut Shell in Continuous Rotary Kiln
Activated Carbon from Fuller Earth Slump
Activated Carbon from Rice Husk
Activated Carbon from Rice Husk, Coconut Shell, Coconut Powder & Coconut Water
Activated Carbon from Saw Dust
Activated Carbon from Saw Dust & Coconut Shell
Activated Carbon from Saw Dust, Rice Husk and Coconut Shells
Activated Carbon from Wood
Activated Carbon from Wood, Rice Husk & Saw Dust
Activated Carbon Powder & Granulated
Activated Charcoal
Activated Charcoal from Wood
Activated Charcoal from Wood
Aerosol Silicon Dioxide
Agar (Bacteriological Grade)
Air Fresheners (Odonil Type)
Alcohol Base Fuel Gel
Alcohol from Potato
Alcohol from Rice (Grains)
Alcohol from Rice Straw
Alcohol Industries Base on Tapioca Starch
Alkyl Resin
Alkyl Resin (Soya bean Oil and Linseed Oil)
Alkyl Resin from Cotton Seed Oil
Alum
Alum (Ferric & Non Ferric)
Alum (Non-Ferric)
Alum for Paper Industries
Aluminium Fluoride
Aluminium Hydroxide (LP)
Aluminium Hydroxide Gel
Aluminium Silicate
Aluminium Slug (used for Collapsible Tube Containers
Amino Acid
Amino Acid Metal Chelates (for Agriculture use) (Zinc, Ferrous, Copper,Manganes, Magnesium, Calcium)
Ammonia Gas
Ammonia Gas Bottling Plant
Ammonium Chloride
Ammonium Nitrate
Ammonium Nitrate from Fertilizer
Ammonium Sulphate
Amyl Acetate
Arylhydroxyl Ferric Chloride
Anilin Oil By Hydrogenation from Benzene
Anti Scaling / Descaling Chemicals
Antimony
Antimony Potassium Tartrate
Antimony Trioxide
Ascorbic Acid (Vitamin C) from Lemon
Assaying Gold
Bacteriological Grade Agar Agar
Barium Carbonate
Barium Compounds
Barium Nitrate
Basic Chromium Sulphate
Basic Chromium Sulphate from Waste Sulphur Dioxide
Benefitization of Manganese Ore
Benzol Acid
Benzoyl Peroxide (in Crystal Form)
Benzoyl Peroxide (in Powder Form)
Benzyloic Acid, Benzoyl Alcohol, Benzyl Benzoate
Benzyloic Acid
Benzyloic Acid
Benzyloic Acid
Benzyloic Acid
Biogas Production
Bioinicators for Water Proofing & Damp Proofing
Bioinicators for Water Proofing & Damp Proofing
Bo-Naphthal from Naphthalene
Bobin Serum Albumin
Cable Jele Filled Compound
Caco3 Filled Master Batches
Caffeine from Sea Water
Calcined Lime
Calcining of Magnesite & Dead Burnt Magnesite
Calcium Alcohol
Calcium Carbide
Calcium Carbonate (Pre Activated)
Calcium Carbonate (Precipitated & (Activated)
Calcium Carbonate By Using Sea Shell
Calcium Carbonate from Lime Slag
Calcium Carbonate from Marble Chips
Calcium Carbonate Precipitated
Calcium Chloride
Calcium Gluconate
Calcium Gluconate
Calcium Nitrate
Calcium Oxide ( Lime Stone Powder)
Calcium Palmitate (Used as Castor Fish Propellent
Calcium Propionate
Calcium Salt for Higher Fatty Acid using Cotton Seed Oil
Calcium Sennosides and Its Products from Senna
Calciimed Powder
Camphor Powder
Camphor Sheet from Camphor Powder
Camphor Tablet
Camphor Tablet (Synthetic)
Cancer Hospital
Carbon Black from Dry Cell Batteries
Carbon Black from Fertilizer’s Waste
Carbon Black from Natural Gas
Carbon Dioxide (CO2)
Carbon Dioxide from Boiler Evaporation
Carbon Powder
Carbon Tetra Chloride
Carbonated Iberia
Casein from Milk
Calciimed Softener
Casein from Rice Husk / Rice Bran
Caustic Soda
Caustic Soda (Sodium Hydroxide)
Caustic Soda Lye
Caustic Soda with EDC, HCL and Chlorine
Caustic Soda with Rutile
Calcium Acetate
Cellulose from Starch and CMC (Carboxy Methyl Cellulose and Poly Isobutylene (ตลิ่ง-grade)
Cellulose Powder & Micro-crystalline Cellulose Powder
Cellulose Powder from Cotton Linter (Waste of Cotton)
Cement Water Proofing
Charcoal from Bagasse
Charcoal from Coconut Shell
Charcoal Powder from Rice Husk
Chelated Zinc (Zn-EDTA)
Chelated Zinc Powder (Zn...
**SELECTED PROJECTS FOR RIGHT INVESTMENT**

- Textile Bleaching, Dyeing & Finishing
- Electric Carpet Woven Dyeing
- Textile Dyeing Auxiliaries
- Textile Printing Pigment Binder
- Ultra Micro Blended Chilli, Ginger & Large Cardamom

**ECO FRIENDLY AND BIODEGRADABLE PRODUCTS**
- Duplex Paper
- Pine Bark Cone Groundnuts
- Soybean Hull and Jute
- Gunny Bags
- Jute Lace, Grass Rope/ Sulli
- Jute Garments
- Jute Shopping Bags
- Jute Suit & Hessian Cloth
- Weaving (Integrated Unit)
- Natural Colour & Oil (Turmeric Oil)
- Paper & Paper Board from Jute Stalks
- Paper Cups
- Paper Cups for Ice Creams
- Paper Shredders
- Paper Plates
- Paper Shopping Bag, Cup, Plate, Glass & Envelopes
- Paper Shopping Bags
- PET Bottles
- PET Bottles from Post-Front PET
- Ply Board from Bamboo (Chinese Process)
- Poly Vinyl Alcohol Film (Cold Water Soluble)
- Wood Plastic Composite Products

**EDUCATIONAL INSTITUTIONS, SCIENCES, ENGINEERING, MEDICAL, DENTAL, PHARMACY, MANAGEMENT, ETC.**
- Bachelor of Physiotherapy Education
- Bio-Technology
- Culinary Institute
- Dental College
- Engineering College
- I.T.I. (Industrial Training Institute)
- Management College
- Management College (BBA, BCA, MBA, MCA)
- Marine Engineering College
- Medical College
- Medical College, Hospital & Research Institute
- Medical College with Hospital
- Nursery School
- Oil Refining with School
- Pharmacy College (B. Pharma)
- Pharmacy College (B-Pharma)
- Polytechnic College (Technical Education Institution)
- Residential School (C.B.S.E. Pattern)
- Residential School (ICGEB) - School (Secondary School)
- School (I.G.C.E.)
- Vocational Training Institute

**EDIBLE OILS, NON EDITABLE OILS, VEGETABLE FATS AND OILS, CORN OIL, COOKING OILS, RICE Bran OIL, CASTOR OIL, SESAME OIL, LINSEED OIL**
- Anil Oil By Hydrogenation from Bakers
- Cardamom Oil
- Castor Oil
- Castor Oil (Batch Process)
- Castor Oil (Extraction & Refining)
- Castor Oil Derivative Oleoresin
- Chili Oil
- Coconut Oil (filtration and Airlight Packaging in Containers)
- Coconut Oil from Copra
- Coconut Oil in Containers (filtration & Airlight Packaging)
- Corn Oil (Maize Oil)
- Cotton Seed Deleining/Crushing & Refining

**Auto Bulb/Lamp**
- Auto Lamps (Auto Tail Lights)
- Auto Telephone Recording and Answering Machine
- Automobile Battery
- Bakedite Electrical Accessories
- Battery (UPS, Inverter, Solar System & Auto Battery)
- Battery for Auto Vehicles
- Battery Manufacturing Unit
- Battery Plate & Assembly
- Button Cell (Miniature Watch Battery)
- Cable Creeping Lugs, Socket & Cable Wiring Croppers
- Compressor for AC (Hermetic)
- Compact Copper Tube Light Choke
- Compact Disc Rom (CD-Rom)
- Compact Disc Players
- Compact Fluorescent Lamps
- Condenser (For Air Conditioner)
- Copper Clad Laminated Sheet Used for Making P.C.B.
- Cordless Telephone
- CT/PT Epoxy Casting
- Transformers
- Diesel Generator (20-200 KV)
- Different Types of Capacitors
- Dish Antenna and Satellite Network Equipment
- Distribution Transformer & Repairs
- Electric & Ordinary Detonators
- Electribe Duty (For Hard Rock Cutting & Blasting)
- Electric Arc Furnace
- Electric Bulb (GLS Bulb)
- Electric Energy Meter
- Electric Extension Cord
- Electric Fan
- Electric Fluorescent Tube
- Electric Geysers
- Electronic Choke
- Electronic Mixer
- Electronic Motor
- Electronic Motors Pumps
- Electronic Panel Board (Switch Boards)
- Electronic Steam Iron
- Electronic Water Heater
- Electrical Accessories (Plugs, Switches, Socket)
- Electrical Control Panel
- Electrical Lamp
- Electrical Motors (High Capacity)
- Electrical Panel (Switch Board)
- Electrical Stamping Oil
- Electro Polishing on Steel
- Electronic Calculator
- Electronic Choke (Ballast)
- Electronic Cut Out for Automobiles
- Electronic Digital Weighing Machine
- Electronic Energy Meter
- Electronic Horn for Automobile
- Electronic Service Centre
- Electronic Switchgear
- XLPE Cables
- Emergency Light
- English Light
- EXRUD / EPX System
- Expert (Cold Room Cooler) Fan
- F.H. P. Motors
- Ferrite Magnets
- Fuel Transfer System
- GLS Bulbs/Lamps
- Gas Detectors of LPG
- Halogen lamps
- House Wiring Cables
- HT & MV Industrial Cubic Switch Boards
- Immersion Heater
- Information Moving Display (Led Type)
- Insulator (High Tension/Low Tension)
- Inverters
- Jiffy Filled Cables
- Jute Pipes & Rubbers
- Lead Acid Batteries
- Light Emitting Diodes (LED)
- M.C.B. (Miniature Circuit Breaker)
- Maintenance Free Re-Chargeable Battery
- Micro Oven
- Miniature Transformer
- Modubed & expedition
- Multilayer Printed Circuit Board
- Musical Door Bell
- Neon Sign Board
- Neon Signage
- Opto Switches & Board
- Optical Fibre Cable
- Optical Pickup Unit
- PVC Wire & Cables
- PCB (Flexible)
- PCB (Multilayer)
- PCB (Totally Automatic Plant)
- Plastic Cooler Body (Symphony Type)
- Polyurethane Battery Separator
- Porcelain Insulators
- Portable Television (B & W)
- Power Cables
- Power Capacitor
- Power Supply (Linear Switch Mode)
- Power Transformer
- Power Transformers-Extra High Voltage Up To 400 KV
- Printed Circuit Board
- PV Module and Assembly Plant
- Photovoltaic
- PVC Battery Refrigerator
- Reciprocating Batteries
- Maintenance Free (Sealed Lead Acid)

- Re-Conditioning of Fluorescent Tube
- Re-Conditioning of TV Picture Tube
- Refrigeration & Mini Refrigeration
- Rewinding of Burnt Electric Motor
- Screen Colored Soldering Wire
- Satellite Receiver
- Scientific Laboratory Equipment (Electronic)
- Set Top Box
- Soft & Hard Ferrites
- Steel Varistor Disk
- Submersible Pump
- Submersible Pump & Motors
- Switch Mode Power Supply
- Tape Recorder’s Pinch Roller, Rubber, Drive, Belt Flat
- Tea Container Transmission Tower
- Telephone (Push Button Type)
- Terminal Connectors
- Transformer/Servomotor/Relay
- Transformer (Flexible Semi Conductor)
- Un-Interrupted Power Supply (UPS)
- U.C. Cooler
SELECTED PROJECTS FOR RIGHT INVESTMENT

Ground Nut, Sunflower
- Refining of Crude Soya Bean and Palm Oils
- Refining of Edible Oil
- Rice & Corn Flakes
- Rice Oil
- Rice Flakes (Poha)
- Rice Flour Broken Rice (Used in Beer Industry)
- Rice Mill, Rice Bran Oil with Captive Power Plant (Integrated Unit)
- Rice Milling Plant
- Rice Noodles
- Rice Polishing & Packaging in Pouches
- Rooted & Fried Dry Fruits, Grain, Grams, Peas (in Pouch)
- Roasted/Salted/Coated Cashewnuts, Almonds
- Roasted/Salted/Masala Cashew Nuts & Allied Snack Food (Roll & Ball Type)
- Roller Flour Mill (Atta, Maida & Sudi)
- Roller Flour Mill (Mini Flour Mill)
- Saccharine (Both Soluble & Insoluble)
- Salted Cassava Root Processing
- Sattu Manufacturing
- Seed Grading/Processing
- Seed Automatic Plant for Toofee
- Shiitake Mushroom
- Shrimp Farming (Prawn Breeding in Sea Water)
- Silver Coated Sugar Balls
- skimmed Milk Powder
- Slaughter House
- Snack Food (Crax Type) Roll & Ball Type
- Soda Water Bottling Plant
- Soda Water in Plastic Pouches
- Soft Beam & Hard Board from Coir Dust
- Soft Drink (Aerated Water)
- Soft Drink Carbonated
- Soft Drink (Cola, Orange, Lemon, Mango, Pulp, Ginger, Caramel Type)
- Soft Drink Concentrate
- Soft Ice Cream
- Soft Ice Cream Cones (Automatic Imported Plant)
- Solvent Extraction Plant (Oil Cake Based)
- Soya Oil
- Soya Bean Milk From Soya
- Soya Products
- Soybean Protein
- Soybean Barylan (Automatic)
- Soybean Meat
- Soybean Oil From Soya Bean Seed & Castile Oil
- Soybean Product (Soybean Oil, Soybean Paste, Soya Extract)
- Soybean Products
- Spice & Allied Products
- Spice & Allied Products
- Spice Oleo-resin (Chilly Oil) By Super Critical Process
- Spice Oleoresin (Ginger)
- Spices
- Spices (EOU)
- Spices (Garlic Base Spices with Packing in Bags)
- Spangle Gourd Processing Unit
- Starch & Allied Products from Maize
- Starch & Allied Products from Maize With Co-Generation
- Starch & Liquid Glucose from Maize
- Starch & Starch Derivatives
- Starch, Glucose, Malto Dextrin, High Maltoose Syrup & Powder, Dextrose Monohydrate, Dextrose Anhydrous & Sorbitol
- Starch & Starch Derivatives with 4 MW Co-Generation Plant (Starch, Glucose, Malto Dextrin, High Maltoose Syrup & Powder)
- Yogurt in Plastic Cups
- Zarda of Various Grades
- Zarda, Kimam, Tobacco
- Zarda-Zafarana Baba Chhapaap

GLASS, GLASSWARE INDUSTRY, CERAMIC, GLASS, INDUSTRIAL CERAMICS PRODUCTION, REFRACTORY
- Acrylic Mirror
- Ceramic (Porcelain) Insulator
- Ceramic Foam Filters
- Ceramic Foam Filters (Metallic Based)
- Ceramic Glazed Tiles
- Ceramic Hot Water Ware (Bone China)
- Ceramic Media
- Ceramic Threading Guide
- Ceramic Unit
- Conversers of Industrial Vitrified Tiles Into Commercial Vitrified Tiles
- Fibre Glass
- Float Glass & Float Drink Glass
- Float Glass (Automatic Plant)
- Glass Ampoules (Distilled Water)
- Glass Bangles & Glass Pressed Wares
- Glass Beads
- Glass Bottle for Beer
- Glass Bottles for Drinking Water
- Glass Bottles Using Broken Glass
- Glass Factory for Glass Block
- Glass Fensiky & Specific Gravity
- Hydro Meter
- Glass Manufacturing (Security Glass, Window Glass, Glass Basin & Elevation Glass)
- Glass Marble
- Glass Reinforced Concrete (G.R.C.)
- Glass Rods & Balls
- Glass Sheet
- Glass Sheet (Automatic Plant)
- Glass Sheet for Window Pane
- Glass Sheet for Window Panes
- Glass Ware Drinking Water
- Glass Wool
- Glazed Ceramic Tiles
- Granite Slab & Tiles
- High Alumina Ceramic
- Hot & Cold Fusion of Glass
- Laminated Safety Glass
- Magnesite Bond Polishing Bricks, Resin Bond Polishing Brick & Resin Bond Final Polished for Marble & Granite
- Mirror Colouring (Pink, Black, Golden, Silver, Glassy & Plastic)
- Mirrors (Silver, Golden, Pink, Black and Yellow Colour)
- Non Glazed Ceramic Tiles
- Optical Glasses
- Safety Glass & Sheets
- Sheet & Figured Glass (Rolled & Kohi Burn Process)
- Sheet Glass & Glass Automatic Plant
- Tempering/Toughening of Flat Glass
- Toughened Glass
- Watch Glass

HERBS AND HERBAL BASED PRODUCTS, Ayurvedic Medicines, Herbal Extract, Natural Plant Material, Ayurvedic Pharmacy, Ayurvedic Products, Herbal Medicines, Herbal Cosmetics
- Aloe Vera gel & Powder
- Aloe Vera Cultivation & Extraction
- Aromatic Gel, Juice and Powder
- Aromatic Perfumery Compound
- Aromatic Plants Cultivation & Production
- Ark - Jawad, Pudina, Saunf & Gugula 27
- Aromatic Herbal Shampoo
- Ayurvedic/Herbal Pharmacy
- Ayurvedic/Herbal Products
- Ayurvedic Pain Balm Ointment
- Ayurvedic Pain Cream in Pouch (Atta Type)
- Ayurvedic Pain Cream (Dabur Type)
- Ayurvedic Camphine (Used in Beer Industry)
- Ayurvedic Pain Balm (Yellow & White) Zandu Type
- Ayurvedic/Vedic Balam (Red) Zandoo Type
- Ayurvedic Kamarakine (Capsules, Liquid Oral, Ointment, Powder, Injection)
- Ayurvedic Raw Material from Mercury
- Ayurvedic Sharbat
- Ayurvedic Tablets (Khamjola Type)
- Cardamon Oil
- Citronella Oil
- Clove Oil
- Clove Powder (Finni Extract)
- Clove Oil (Dabur Type)
- Clove Oil (Methi Seeds)
- Clove Petals
- Clove Petals (Henna Based)
- Clove Oil (Henna Based) Four Colour
- Clove Powder
- Henna Paste
- Henna Paste (Self Life 6 Months)
- Henna Paste for Hair Dyes & Repacking
- Herbal Cigarette
- Herbal Extract
- Herbal Formulaulation (Herbal Plant)
- Herbal Concentrate in the Manufacturing of Herbal Drugs & Concentrate
- Herbal Cosmetics
- Herbal Cosmetics
- Herbal Hair Oil (Banjooth Type)
- Herbal Kumkum (Roll)
- Herbal Medicinal Plants Cultivation & Processing
- Herbal Natural Essential Oil
- Herbal Plantation (Medicinal)
- Herbal Shampoo & Cream
- Herbal Tooth Paste & Tooth Powder
- Herbs Plantation & Processing
- Integrated Unit - Herbal Hair Oil, Herbal Cosmetic, Ayurvedic Products
- Kail Mehandi
- Lily Essence
- Medicinal Plant Extracts
- Menthol Crystal from Menthol Oil
- Patchouli Oil
- Perfume Chemicals Synthetic
- Herbal
- Ras Sindoor
- Safed Musli
- Safed Musli Cultivation & Processing
- Sennoside & its Product from Senna Leaves
- Stevia Cultivation
- Stevia Extract
- Turmeric Powder

HOSPITALITY, ENTERTAINMENT, WAREHOUSE, & REAL ESTATE PROJECTS
- Air Taxi (Rental)
- Amusement Park
- Amusement Park
- Amusement Park Cups Water Park
- Banquet Hall
- Cancer Hospital
- Dental Clinic (Treatment & Research Institute)
- Cinema Hall
- Club with 4 Star Hotel

Market Survey Report Detailed Econoimc Feasibility Report on All Above Projects are Available. Contact: NIIR PROJECT CONSULTANCY SERVICES

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106-E, Kamla Nagar, Delhi-7, Ph.:91-11-23843955, 23845886, 23845654, Mob. : 9811043595
- Video Film Studio
- Three Star Hotel
- Small Hotel/Motel, Party Room
- Shopping Mall with Four Screen
- Safari Park
- Restaurant/Fast Food Parlour
- Residential Apartments
- Recreation and Health Club
- Pharmaceutical College (B-
- Pediatric Hospital 25 Beds
- Old Age Home, Orphan Children
- Multiplex Cinema Hall, PVR with
- Market Complex
- Kids Entertainment Cum Food
- Holiday Resort
- Holiday Village
- Holiday Club, Beauty Parlour
- Holiday Country Resort
- Entertainment News, 4 Star Hotel
- Hospital - 3 Star (With Out Liquor
- Hospital with Teaching Facility
- Hotel - 2 Star (With Out Liquor Bar)
- Hotel (Small Hotel with Banquet
- Hotel/Restaurant
- Guest House
- Green House
- Games Parlour
- Food Parlour
- Five Star Hotel & Shopping Mall
- Five Star Hotels, Business
- Fast Food Parlor
- Eye Hospital
- Diagnostic Centre
- Cold Storage
- Computer Stationery
- Colour Wax Crayons
- Chalk Crayon Industry
- Indelible Election Ink (from Silver
- Indelible Ink for Hot Stamping Foil
- Indelible Election Ink
- Flexo Gravure Printing Ink
- Flexographic Ink
- Indelible Ink (Printing Ink, 3-D
- Indelible Election Ink (from Silver Nitrate)
- Ink for Hot Stamping Foil
- Lead Pencils
- Oil Soluble Ink
- One Time Carbon
- Painting Brush
- Plastic Files & Its Smaller
- Printed Envelopes with Window &
- Printing Inks
- Printers
- Printing Paper
- Printing Press
- Printing Presses
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- Painting Materials
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- Paint Bottles
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SELECTED PROJECTS FOR RIGHT INVESTMENT

- Production
- Continuous Copper Rod (CCR) Making Unit
- Continuous Galvanizing Plant
- Continuous Electrowinning of Copper from Scrap
- Control & Precision Instrumentation
- Copper Collection & Rollers
- Cooling Tower
- Copper Flat Bars & Copper Tubes
- Copper Powder
- Copper Powder & Aluminium Powder
- Copper Rod Milling Machine
- Copper Rod Casting (Wire Drawing & Enamelling)
- Copper Sheet from Copper Scrap
- Copper Utiles
- Copper Wire Bars from Copper Scrap
- Copper Wire Drawing & Enamelling
- Copper Wire Drawing From Higher Size to Thin Size, used in Electrical Cables
- Copper Wire Drawing, Annealing & Enamelling
- Corrugated Galvanized Sheet
- Galvanized Iron Sheet (Plain & Corrugated)
- Galvanized Iron Pipe Fittings
- Forging Unit
- Forging on Open Die Hammers
- Fire Extinguishers (Different Types)
- Ferro Alloys (Ferro Manganese, Ferro Silicon)
- Ferrite Magnets
- Fasteners (Nuts, Bolts, Rivets)
- Fasteners (Hex-Head Bolts & Caps)
- ERW Steel Pipes
- Enameled Copper Wire
- E.R.W. Steel Conduit Pipes
- Enameled Steel Sheet
- Enamelled Copper Wire
- Enamelled Sheet
- Enamelled Steel Wire
- Epoxy Powder Molding Compound
- Epoxy Resin
- Epoxy Paint
- Epoxy Resin
- Epoxy Molding Compound
- Epoxy Moulding Compound
- Epoxy Resin
- Epoxy Powder Molding Compound
- Epoxy Resin
- Epoxy Metal Coating
- Epoxy Powder Coating
- Epoxy Powder Molding Compound
- Epoxy Resin
- Epoxy Resin
- Epoxy Molding Compound
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- Epoxy Molding Compound
- Epoxy Resin
- Epoxy Powder Molding Compound
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Copper Cathode from Copper Scrap

Copper cathode is a form of copper that has a purity of 99.95%. In order to remove impurities from copper ore, it undergoes two processes, smelting and electro refining. The resulting, nearly pure copper is an excellent conductor and is often used in electrical wiring. The pliable nature of copper makes it an excellent choice for electrical and audio wires, which must be thin and flexible. Aside from wire, copper cathode is also used to make copper cake, which ranges in thickness from thin foils to thick plates.

The electrical industry claims a share of about 26%. The electronics and communications take another 30% share. With building construction (9%) and transportation (8%) added, the cumulative rises to about three-fourths. The other consuming sectors are engineering process and general (9%) and consumer durables (6%). Defence is also a substantial user. Another important consumer is handicrafts which is reported to consume close to 12% of copper in India. Which facilitates the development of new technologies and ensure a high quality product.

**COST ESTIMATION CAPACITY**

| Copper Cathode | 1800 MT/Annum |
| Copper Slag, Residue | 180 MT/Annum |
| Plant & Machinery | ₹136 Lakhs |
| Cost of Project | ₹1348 Lakhs |
| Rate of Return | 26% |
| Break Even Point | 39% |

**OUR BANK DETAILS**

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Beneficiary **NIIR PROJECT CONSULTANCY SERVICES**

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

**NIIR PROJECT CONSULTANCY SERVICES**

AN ISO 9001:2015 CERTIFIED COMPANY

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Epoxy Resins Technology Handbook

The major contents of the book are synthesis and characteristics of epoxy resin, manufacture of epoxy resins, physical and chemical properties of epoxy resins, epoxy adhesives, epoxy coatings and their curing in water, electrical and electronic applications, analysis of epoxides and epoxy resins and the toxicology of epoxy resins.

Phenolic Resins Technology Handbook (2nd Rev.Ed.)

This book basically deals with general reaction of phenols with aldehydes, the resoles, curing systems, phenolic aldehyde adhesives, vinyl phenolic structural adhesives, nitro phenolic structural adhesives, phenolic adhesives, phenolic aldehyde adhesives, nitro phenolic contact adhesives, phenolic formaldehyde adhesives, phenolic aldehyde adhesives, nitro phenolic contact adhesives, resins, and formaldehyde in the varnish system, phenolic resin chemistry, bio-based phenolic resins, flexibilization of phenolic resins, phenolic resin technology, Phenolic Powder with high-phr laminates, phenol formaldehyde LFP (PFL) resins, phenol formaldehyde resins, alkaline phenol formaldehyde resins, furfuryl alcohol phenol urea formaldehyde resin, phenol formaldehyde resins, Shellac Resins, Phenolic Modified resins (HDF Resins).

Allergy Resins and Their Handbook

This book contains all kinds of function modification of aldehydes, styrene copolymers in allyl resins, copolymerization of allyl silicon, polyblends of polysiloxane glycol, polyesters, and various adhesives. Chemicals and physical properties of phenol, laccazine and nitrophenyl resins are also given in the nontoxic environment. This book will find very helpful to all its readers, entrepreneurs, scientists, technical institutions, existing industries, paint technologists etc. 13595 US$150

Modern Technology of Synthetic Resins & Their Applications

Acel, Acrylonitrile, Chloroform, Aromatic, Chlorinated Polyethylene, Phenol, All-purpose Adhesives, Phenolic Resins, Shellac Resins, Furfur Resins, Rosin Resins, Shell Resins, Epoxy Resins, Polymers and Other Resins. 3rd Revised Ed. 13595 US$150

Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook


Handbook on Epoxy Resins, Uretanlas, Urethane, Polyurethane, and Urea Resins, Polyesters, Polyurethane and PolyUrethane Fibres

The book covers formulations, production processes, and practical applications of all types of resins. The book is very useful for new entrepreneurs, professionals, technocrats, researchers and institutional institutions etc. 13051 US$150

The Complete Technology Book on POLYMERS (with Processing & Applications) Three factors are essential for any successful processing of polymers, namely materials, machinery and process control. The materials presently used comprise all existing thermoplastics and thermoset resins in the USA and in Europe, and from 15000 to several million. Polymers have importance in manufacturing of various domestic and industrial products. This book covers polymer processing and its related products. This is very useful book for new entrepreneurs, professionals, technocrats, researchers and institutional institutions etc. 13051 US$150

The Complete Technology Book on WAX and Polishes

Wax and polishes are used for many purposes. Wax has its principal use in waterproofing. Modern technology of wax and polish is essential for the automotive, electronics, leather, plastic, paper, rubber, and other related material and products. Res. 1675 US$150

RABBIT, GOAT, SHEEP, PIG, PIG AND FARMING WITH FEED TECHNOLOGY

Rabbit farming is no doubt very profitable way to their short generation interval and their rapid proliferation. The large demand for animal protein and fibre, the future for sheep meat and wool seems to be assured. Sheep rearing is the major source of livelihood to small and marginal farmers and landless labourers in hilly areas, arid and semi-arid region of India. Goat was believed to be the earliest ruminant, among livestock, specific meat breed. Goat is mainly a meat breed due to its multipurpose utility to the human beings. Fish is a good source of animal proteins. Man has realized its importance and value in 1995 US$150

Dairy Products, Poultry Industries

PRODUCTS, PETRO CHEMICALS, WAX, POLISHES & CHEMICAL INDUSTRIES
Books & Directory on HERBAL, CULTIVATION, HERBAL PRODUCTS, COSMETICS, AYURVEDIC MEDICINES

**Herbal Cosmetics & Ayurvedic Medicines (EOU) (3rd Rev. Edn.)**
This book is very useful for entrepreneurs, industrialists, project consultants, libraries etc. and has special reference for Herbal Cosmetics and Ayurvedic Medicines with formulation, processes, foreign buyers, Machinery and raw material sources, project profiles etc. ₹1475 US$150

**Hand Book On Unani Medicines With Formulue, Processes, Uses And Analysis**
Tremendous progress has been registered in the Unani medicine. Yet, medicinal plants continue to be an important source of drugs throughout the world. Unani medicine is one of them. Plant as a source of drugs of much more important for the developing countries of Asia, Africa and South America. This publication is one of its kind which clearly indicates the usefulness of Unani medicine, shows how the plant secrets, preserve the natural medicines which ultimately uses in Unani system of medicine. ₹1100 US$125

**Hand Book on Ayurvedic Medicine With Formulue, Processes & Their Uses (2nd Rev. Edn.)**
This is the first book of its kind which contains formulue and processes of different types of Ayurvedic medicines like Churn, Capsules, Cyprus, Sharbats, Pastes etc. Used in various diseases.
₹1475 US$150

**Hand Book On Herbal Drugs and Its Plants Sources**
Medicinal plants have been used as a major source of therapeutic agents by human being for thousands of years. Ancient men obtained more than 90% of his medications from higher plants. However, the importance of plants as a source of drugs has decreased to certain extent. Impinge of the fact that synthetic drugs and antibiotics have improved the life expectancy of man, plants still constitute as one of the major sources of raw materials for drugs all over the world. This particular book clearly described the original source of such drugs, which is beneficial to scientists and scholars. ₹1000 US$100

**Herbal Foods and Its Medicinal Values**
Food has been a basic part of our existence. Through the consumption of food, we have acquired a wealth of information about the use of food as a part of our community, social, national and religious life. It has been used as an expression of love, friendship and social acceptance with the perception of the medicinal values of such food. This book for the first time reveals the exact medicinal characteristics and how it works and cures the different disease to make mankind healthy. ₹1275 US$125

**Handbook On Medicinal Herbs With Uses**
Medicinal herbs are the local heritage with global importance. World is endowed with a rich wealth of medicinal herbs. The variety and sheer number of plants with therapeutic properties is quite astonishing. Medicinal herbs have curative properties due to presence of various complex chemical substance of different composition, which are found as secondary plant metabolites, according to their composition, are grouped as alkaloids, glycosides, corticosteroids, essential oils etc. During the past decade, a dramatic increase in exports of medicinal herbs attests to worldwide interest in these products as well as in traditional health systems. The pharmaceutical industries have made massive investment on pharmacological, clinical and chemical researches all over the world in past five decades. Efforts have been made to discover still more potential plant drugs. ₹1875 US$125

**Hand Book on Neem and Allied Products**
The neem tree, which is also known as Margosa or Indian lilac, is grown extensively in Asian and African countries. The need is very useful tree due to its medicinal and insecticidal properties and can be grown even under semi-arid and sub humid conditions up to 700m above sea level. The book covers cultivation of neem and processing of its products. ₹975 US$100

The Complete Technology Book On Herbal Beauty Products with Formulations and Processes

**Herbal Cosmetics Hand Book Hand Book (3rd Rev. Edn.)**
This is the first book of its kind which contains formulue and processes of various herbal cosmetics like cosmetics for the skins, cosmetics for bath purpose, cosmetics for nails, cosmetics for hair, oral cosmetics, analysis of cosmetics, test methods, machinery and raw material suppliers etc. ₹1875 US$150

**Hand Book on Herbal Medicines**
The book contains Formulue of different Herbal Medicines used in all kind of diseases. This is the first book of its own kind. ₹750 US$100

**Herbal Soaps & Detergents Hand Book**
The book covers formulue, processes of different types of herbal soaps & detergents being used in daily life. This is the first book of its kind. ₹1275 US$125

**Hand book on Herbal Products (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols**
Both the volumes covers processes, formulations, analysis methods with the addresses of raw material and machinery suppliers, project profiles, list of manufacturers, exporters and overseas importers of various herbal medicines, cosmetic, perfumes and toiletries. The book also contains addresses of different Ayurvedic & Unani medicines research institutes.
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**Compendium of Medicinal Plants**
The book contains systematic account of the most important plants used in medicines. Each chapter covers botanical descriptions, parts used, Ayurvedic properties, clinical uses, constituents with the figure of the plant.
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(Cultivation, Research Findings, Products, Formulations, Extraction & Processing)
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