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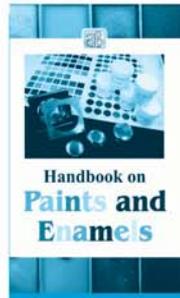


₹ 1475/- US \$ 125

## Surface Coating Technology Handbook

Surface Coating is in use since long back is rapidly increasing with the development of civilization. There has been considerable impact in this field. We have completely replaced costly petroleum solvents with water. So we get cheaper finished products with no evaporation loss and fire hazards. This way surface coating industry is eco-friendly. This is an effort to put together the various options available for surface coating. The book presents a

concise, but through an overview of state of technology for surface coating. This is organized into different chapters like principal of film formation, chemistry and properties of drying and other oils, processing of oil and resin, organic pigment, solvents, plasticizer, surface active agent, surface preparations etc. This book will be helpful to technocrats; new entrepreneurs, research scholars and others concerned to this field.

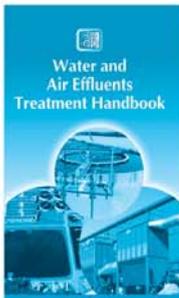


₹ 1275/- US \$ 125

## Handbook on Paints and Enamels

This book is the outgrowth offered in the chemistry and chemical engineering of organic polymeric and resinous substances. Needless to say such a book is not available because of the rapidity of growth in the polymer field; it has been difficult to resist the temptation to all with new discoveries and products.

The book is emphasized on manufacturing of different types of paints, enamels and allied products. It was purposely made wide, so that the book could be used as a text regardless to particular field of interest. All the chapters are introduced separately with simpler language. The book will be very helpful for technocrats, new entrepreneurs, industrialists and for those who wants to diversify into this field.

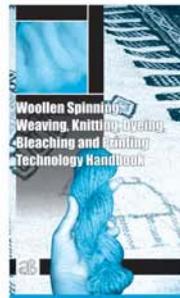


₹ 1275/- US \$ 125

## Water and Air Effluents Treatment Handbook

Water quality analytical techniques are considered in the context of EEC directives on the quality of the aquatic control of all effluents is entering it. The principal methods of water analysis are reviewed and the use in leachate analysis indicated in view of destructive and hazardous role of pollution, it become necessary that the very nature of atmosphere, the various air effluent are present there to save the environment from the harmful effect. This book is an effort to put together the various

options available to meet the water and air effluent available for the environmental protection. The book presents a concise but through an overview of state of technology for water and air effluent treatment. The water and air effluent treatments are organized into chapters by broad problem area, treatment of industrial effluent, industrial waste management, etc. This will be helpful to technocrats, consultants, educators, architects, industry executive, students and others concerned with saving environment problem.

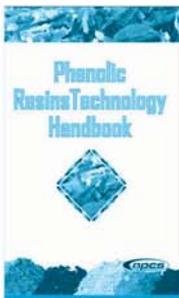


₹ 1100/- US\$ 125

## Woollen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook

Despite tremendous growth of synthetic polymers as substitute of wool fibre, the interspecial of national ovine and caprine assets not only holds firm ground on the socio-economic culture of rural products and but makes its presence felt and still, by virtue of its sartorial usefulness, pervades almost all segments and shapes of society. Wool fibre production necessitates full

understanding of its growth, pristine structure, physical, chemical and functional properties as well as processes involving manufacture of textile fibres. The present book is of its own kind which covers – woollen spinning, knitting, dyeing, bleaching and printing, special wool finishes etc.. This is an important reference book for wool technologists, scientists, new entrepreneurs, research scholars and all others related to this field.

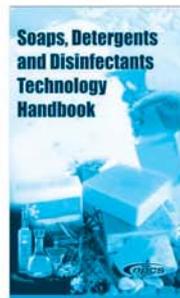


₹ 1275/- US\$ 125

## Phenolic Resins Technology Handbook

Until the early 1920, only naturally occurring resins, such as congo kauri gums or shellac were used in the surface coating industry. Varnish makers combined these resins with oil. The advent of the hard oil-soluble synthetic resins opened the way to a more scientific approach to varnish making. The development of synthetic resins for surface coating applications has

usually followed the use of similar material in the plastic industry. One of the first synthetic resins ever used commercially, both in plastics and in surface coatings was the phenolic resin. Phenolic resins result aldehyde with or without modification. The present book covers manu-facturing processes of phenolic resins. This book is very useful for new entrepreneurs, technocrats, established units and research scholars.



₹ 1275/- US\$ 125

## Soaps, Detergents and Disinfectants Technology Handbook

It has been said that amount of soap and detergent consumed in a country is a reliable measure of its civilizations. There was a time when these products were luxury; now it is a necessity. A disinfectant or agent that frees from infection is ordinarily a chemical agent which kills disease germs or other harmful

microorganisms and is applied to inanimate objects. The present book contains formulae, processes of different types of soaps, detergents and disinfectants. These products have good demand in domestic as well as in International market. So there is a very good scope for new entrepreneurs to venture into this field. This book is very useful for entrepreneurs, technocrats and for those who want to diversify in to this field.

## BOOKS ON FOOD, SPICES, BAKERY, FRUITS, VEGETABLES, POULTRY, DAIRY, CONFECTIONERY, AGRO PRODUCTS/OILS & FATS, FOOD COLOURS, ADDITIVES



### The Complete Technology Book On **DAIRY & POULTRY INDUSTRIES**

**(With Farming & Processing) 2nd Revised Edition**  
Developments in the Dairy and Poultry industries during the last decade have been important enough to be brought out a considerable amount of material on Dairy and Poultry farming and processing of milk and poultry related products. The first book of its kind which cover complete details of dairy poultry farming, processing, how to feed cows, birds in dairy and poultry, kind of diseases and their cure and other information related to farming. **₹1275 US\$125**



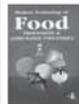
### The Complete Technology Book On **SNACK FOODS**

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. **₹975 US\$100**

### MODERN TECHNOLOGY OF **MILK PROCESSING & DAIRY PRODUCTS 3rd Rev. Edn.**



The dairy industries in many countries a major contributor to the manufacturing capacity of the food sector, and as more components of milk are utilised in processed food, so this importance is likely to grow. This book is devoted solely to milk and its products. The book deals with processes, formulae, project profiles, details of plant machinery and raw materials with their resources etc. of various dairy products. **₹975 US\$100**



### MODERN TECHNOLOGY OF **FOOD PROCESSING & AGRO BASED INDUSTRIES 2nd Edn.**

The book contains confectionery, bakery, canning and preservation, fruits and vegetable products, Agro based projects with processes, formulae, machinery and raw materials sources etc. **₹1575 US\$150**



### Hand Book on **SPICES**

India is one of the leading producers and exporters of spices in the world. This book covers the comprehensive information on cultivation and processing of main spices and condiments of India which play important role in national economies of several spices producing, importing and exporting countries. **₹975 US\$100**



### Modern Technology of **CONFECTIONERY INDUSTRIES With Formulae & Processes 2nd Rev. Edn.**

Confectionery in a broader sense implies the preservation of sweet-meat preparation in the form of candies, caramels, chocolates, processed cocoa products and traditional Indian confections. Special emphasis has been made on describing the various process parameters and equipments used with the help of process diagrams wherever necessary. Apart from these it also

contains details of cooking techniques, formulae, processes, the incorporation of flavours and essences, permitted colours used, quality control aspects alongwith sources of plant, machinery and raw material. **₹600 US\$100**



### **RABBIT, GOAT, SHEEP, POULTRY, FISH AND PIG FARMING WITH FEED TECHNOLOGY**

Livestock and poultry in Indian tropics and subtropics play a critical role in agricultural economy by providing milk, wool, meat, eggs and draft power and manure. They are living banks for farmers and provide flexible reserves during period of economic stress and buffer against crop failure. Rabbit farming is no doubt very profitable wing to their short generation interval and their rapid prolificacy. The large demand for animal protein and fiber, 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, species, to be domesticated by man in around 7600 B.C. probably, due to its multipurpose utility to the human beings. Fish is a good source of animal proteins, Man has realized its importance from the very inception of the evolution of the human race. **₹1100 US\$125**



### The Complete Technology Book on **Cocoa, Chocolates, Ice cream and other Milk Products**

Cocoa, Chocolate and Ice cream are the products which has a good nutritious value and relatively inexpensive food. Cocoa butter is used in chocolate and to cover other confectionery products. Now a days chocolate and ice reams 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 products, chocolates, ice cream and other milk products. An attempt has been made to bring in to focus the significant aspect of cocoa products, dairy products manufacturing. **₹1275 US\$125**



### **FOOD PACKAGING TECHNOLOGY HANDBOOK 2nd Rev. Edn.**

This book gives comprehensive account of food packaging, which is the most important part to preserve the food for a long time. **₹1475 US\$150**

### THE COMPLETE TECHNOLOGY BOOK ON PROCESSING, DEHYDRATION CANNING, PRESERVATION OF **FRUITS & VEGETABLES**

A Comprehensive book which deal with Processing, Dehydration, Canning, Preservation of various fruits and vegetables. Information on quality control and other parameters has been discussed in this book which is necessary for this type of project. Each chapter gives theoretical as well practical information to understand the basic principles and methodology. **₹1575 US\$150**

### THE COMPLETE TECHNOLOGY BOOK ON **BAKERY PRODUCTS 2nd Edn.**

Bakery products are gaining a new dimension in modern times owing to their versatility in day to day life. Being highly demandable products, their popularity is increasing tremendously. The book elucidates full procedure to be adopted for making various bakery products, details of raw materials, plants and machinery required along with their suppliers, formulae, processes etc. **₹1100 US\$125**

### **Modern Technoloy on Food Preservation**

The people in the world required trillions pounds of food, one mouthful at a time, during the period from one food harvest to the next. All of man's foods are perishable commodities, they begin to deteriorate shortly after harvest, gather or slaughter. The purpose of this book is to present the elements of the technology of food preservation. It deals with the products prepared from various fruits and vegetables commercially as well as on home scale. Relevant information on enzymes, colours, additives, flavours, adulteration, etc., has been given. **₹1275 US\$125**

### **Hand Book on FRUITS, VEGETABLES & FOOD PROCESSING With Canning & Preservation 3<sup>rd</sup> Rev. Edn.**

Natural foods such as fruits and vegetables are among the most important foods of mankind as they are not only nutritive but are also indispensable of the maintenance of the health. The present book covers the processing of various types of fruits, vegetables and other food products. Apart from this Canning and Preservation processes are also included in this book with other comprehensive details. **₹1475 US\$150**

### **Modern Technology of OILS, FATS & ITS DERIVATIVES**

The book contains the manufacturing processes and other related informations of important Oils, Fats and their derivatives. **₹1100 US\$125**

### **Modern Technology of AGRO PROCESSING AND AGRICULTURAL WASTE PRODUCTS**

The book deals with the processing of different products manufactured from agro crops. It also contains the number of products made from agricultural waste with their project profiles, requirements of plant, machinery and raw materials and addresses of their suppliers. **₹975 US\$100**

### **FOOD COLOURS, FLAVOURS AND ADDITIVES TECHNOLOGY Handbook**

The people in earth require about 3.4 billion pounds of food, one mouthful at a time. All of man's food are perishable. They begin to deteriorate shortly after harvest. This also loose the restrictive value of foods. In this twenty first century, mankind has developed a technology to retain the original value of food by adding additives, flavours and colours, which also increases the taste of food. **₹1000/- US \$ 100**

### **Food Flavours Technology Hand Book**

No Doubt flavour is one of the most important attributes of the food products we eat in our daily life. Man does not eat simply to live but even more so lives to eat. The flavour industry has become a vital element in the growth and success of food and beverage industries worldwide. The present book contains formulae, processes of various flavours applied in food and beverage industries. **₹1075 US\$125**

### **The Complete Technology Book on Flavoured Ice Cream**

Ice Cream is a favourite food of millions around the world. It is a frozen mixture of a combination of component of milk, sweeteners, stabilizers, emulsifiers and flavours. Ice cream is a palatable, nutritious and relatively inexpensive food. No other food enjoys so much popularity and has as attractive a form and appeal as ice cream. It is a comprehensive book which covers all the aspects of manufacturing of ice cream in various flavours. **₹975 US\$100**

### **Wheat, Rice, Corn, Oat, Barley and Sorghum Processing Handbook (Cereal Food Technology)**

Cereal grains play an important role in meeting the nutrient needs of the human population. Like any food, they are good to excellent sources of some nutrients and low or void in other nutrients. The vitamins content varies from one part of grain to another. The quality of cereal product is determined by a variety of characteristics which may be assigned different significance depending on the desired and use or type of product. The present book contains processing of various cereal like wheat, rice, corn, oat, barley and sorghum with latest techniques. **₹975 US\$100**

### **The complete Book on SPICES & CONDIMENTS (With Cultivation, Processing & Uses)**

The great mystery and beauty of spices is their use, blending and ability to change and enhance the character of food. Spices and condiments have a special significance in various ways in human life because of its specific flavours, taste, and aroma. 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, processing and uses of various spices and condiments, which are well known for their multiple uses in every house all over world. **₹1500 US\$150**

## SYNTHETIC RESINS



### The Complete Technology Book on **Synthetic Resins With Formulae And Precesses**

Synthetic Resins are used by lot of industries. Yet until, little emphasis has been placed on the comparative value or functionality of polymeric material as a class. These resins have been classified in separate categories, usually in terms of their Chemistry, sources or end uses. The present book contains formulae, processes and other valuable details for various synthetic resins. **₹1150 US\$125**

### Modern Technology of **Synthetic Resins & Their Applications**



The book covers manufacturing processes formulae of various types of synthetic resins with their applications. **₹975 US\$100**



### **Synthetic Resins Technology Handbook**

Resins are polymeric compounds which are available in nature and are also manufactured by synthetic routes. Some resins are also manufactured by partial modification of natural precursor polymer by chemical. The resins have wide industrial uses like in lacquers, paints, textiles, varnishes, printing inks and cosmetics etc. This book contains formulae, processes and applications of various resins. **₹1100 US\$125**



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## ABOUT US



NPCS marketing Associates of **National Institute of Industrial Research, NIIR** an ISO 9001 : 2008 CERTIFIED COMPANY is a reliable name in industrial world for offering integrated technical consultancy service and also technical collaborations. At NPCS, we provide prudent advice regarding a business when diversification is on the anvil, when an entrepreneur is up against lack of information before starting a project, we strive to provide them with technology evaluation, sourcing and assimilation of detailed project reports, market survey studies and research through our advanced Industrial, Business and Commercial Database.

We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. Over the years, NPCS has become a well-known name in the industrial world for offering integrated technical consultancy service. Due diligence reports are prepared on behalf of the proposed buyers and sellers of the business. We provide the services through comprehensive knowledge of equipment and practices through our excellent team at very economical price. A large number of our Indian and NRI clients have appreciated our expertise for excellence by giving us report orders which speak volumes about our commitment in providing complete customer satisfaction. We have successfully handled a number of NGO projects. NPCS is manned by a dedicated team of highly qualified and experienced and consultants Engineers, Economist and Technologists from various disciplines. We have undertaken extensive work in identifying new project opportunities sourcing technology and industrial know-how from European, South Asian + USA etc and keeping in step with changing industrial scene and growing needs of entrepreneurs and business houses in India and Abroad.



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## PAPER FROM BAMBOO

Bamboo is one of rapidly growing and high yielding woody plants. It produces a large biomass per unit area as compared to many other plants. Bamboos comprise about 30 genera and 550 species of which about 138 species occur in Ind.

The main species used for papermaking is *Dendrocalamus strictus*. The other species used are *Melocanna bambusoides*, *Bambusa tulda*, *B. balcooa*, *B. vulgaris*, *d. hamiltonii*, *Oxyenantha monostigma*, and *Bambusa nutans*, *Ochlandra rheedii*, and *O. travancorica*. About 4,000 years ago, the word paper is derived from the name of the reedy plant papyrus, which grows abundantly along the Nile River in Egypt. However, true paper is made of pulped cellulose fibers like wood, bamboo, cotton or flax.

### USES & APPLICATIONS

The use of paper for various purposes is an essential feature of the modern society. Therefore pulp and paper manufacturing is very important part of modern industry. Pulp and paper production is based on the use of bamboo as raw material, but also on the consumption of large-scale chemicals, like chlorine, sodium hydroxide, etc

It is a well-known product, which is the only media of communication through writing. It is then off ritual medium for propagation of educations. It is used in every part of life, i.e., education, office, researches, engineering, art, book printing, magazine, newspaper, etc.

### MARKET SURVEY

The Indian paper industry has highly fragmented structure consisting of small, medium and large sized paper mills having capacities ranging from 10 to 1150 tons per day. The industry employs wood, agro residues and recycled/waste paper as the major raw material for manufacturing different varieties of paper, paper board and newsprint.

The present consumption of wood as raw material for paper making is 9 million tons per annum. About 75% of the wood demand is being met through farm/social forestry sources. Future demand will be additional 12 million tons of wood to meet the projected production targets by the year 2025\*.

Overall paper consumption in the baseline scenario is projected to increase to 16.5 million tons in 2016-17 and reach 25.3 million tons in 2026-27. In the alternative scenario, which appears to be more realistic, the consumption increases to 18.4 million tons in 2016-17 (the terminal year of the 12th Plan) and to 43.9 million tons in 2026-27.

### Cost Estimation

Capacity	: 20 MT/Day
Plant & Machinery	: 777 Lakhs
Cost of Project	: 1936 Lakhs
Rate of Return	: 24 %
Break Even Point	: 56 %

## PRECIPITATED SILICATE

Sodium Silicate ( $\text{Na}_2\text{SiO}_3$ ) is formed by melting sand and Sodium Carbonate (Soda Ash). It has a range of chemical formula varying in sodium oxide ( $\text{Na}_2\text{O}$ ) and Silicon Dioxide or Silica ( $\text{SiO}_2$ ) contents or ratios. It is soluble in water and it is prepared by reacting silica sand and Sodium Carbonate at a high temperature ranging from 1200 to 1400°C. Aqueous solution of Sodium Silicate is called *water glass*.

The more alkaline silicates including sodium meta-silicate ( $\text{Na}_2\text{O} \cdot \text{SiO}_2$ ) are crystalline materials with definite structures and characteristic properties. These are used chiefly as cleaners and detergents. The more siliceous sodium silicates are glasses, typical non-crystalline solid solutions, which are important mostly for their adhesive and binding properties.

Sodium silicate is stable in neutral and alkaline solutions. In acidic solutions, the silicate ion reacts with hydrogen ions to form silicic acid, which when heated and roasted forms silica gel, a hard, glassy substance.

### USES & APPLICATION

Sodium Silicate is used in the following:- Adhesives and

Cements, Pulp & Paper, Detergents & Soaps, Gels, Catalysts and Zeolites, Foundry, Soil Stabilization, Silica Sols and Water Treatment.

#### MARKET SCENARIO

Sodium silicate is a function of growth of the end-user industries, mainly soap and detergent factories, pulp and paper mills, paint, pigment and adhesive factories. Information obtained from Ethiopian Investment Authority give strong indication that private investment in the aforementioned industries is bound to grow.

The *soluble silicates* in their different forms: amorphous glass, granular solids or liquid solutions, represent one of the most commonly used chemical products. Its industrial boom started in the 19<sup>th</sup> century, when ground-breaking applications in detergents, adhesives and refractory paints were developed. Its applications have been diversified today in different fields: detergents, paper, construction, paints, water treatment, industrial product raw materials; fields that cover applications both in industry and in consumer goods. Now a day, the sodium silicate market is mature, as many of its end users are mature as well.

World demand for specialty silica's --which include precipitated silica, fumed silica, silica gel, and silica sol -- will increase at a healthy pace to 2.7 million metric tons in 2016. Robust growth in rubber applications -- the largest market for specialty silica's -- will drive gains, particularly in the expanding industrial sectors of developing countries such as China and India.

#### Cost Estimation

Capacity	: 24 MT/Day
Plant & Machinery	: 79 Lakhs
Cost of Project	: 312 Lakhs
Rate of Return	: 29%
Break Even Point	: 54 %

#### JUTE MILL With Spinning & Weaving

Jute is the second most important vegetable fibre after cotton. Diversified jute products are becoming more and more valuable to the consumer today. Jute Mats & Rugs are made both through Power loom & Handloom, in large volume from Kerala, India. it is a long, soft, shiny vegetable fibre that can be spun into coarse, strong threads. It is produced from plants in the genus *Corchorus*,

Continue on page 5

## PROCESS TECHNOLOGY BOOKS

NAME OF BOOKS	₹/US\$
<b>CHEMICALS, FINE CHEMICALS, VITAMINS, AMINO ACIDS AND PROTEINS</b>	
* Handbook On Chemical Industries (Alcohol Based)	750/- 100
* Industrial Chemicals Technology Handbook	1100/- 125
* The Complete Technology Book On Chemical Industries	975/- 100
* Modern Technology Of Industrial Chemicals	1100/- 125
* The Complete Technology Book On Fine Chemicals	1100/- 125
* Handbook On Fine Chemicals, Vitamins, Amino Acids And Proteins	1450/- 150
<b>PHARMACEUTICAL, DRUGS</b>	
* Drugs & Pharmaceutical Technology Handbook	1075/- 125
<b>PESTICIDES, INSECTICIDES</b>	
* The Complete Technology Book On Pesticides, Insecticides, Fungicides and Herbicides With Formulae & Processes	1100/- 100
* Biopesticides Handbook	1575/- 150
<b>STARCH &amp; ITS DERIVATIVES</b>	
* The Complete Technology Book On Starch & Its Derivatives	1100/- 125
<b>WAX &amp; POLISHES</b>	
* The Complete Technology Book On Wax And Polishes	1675/- 150
<b>BIO-TECHNOLOGY, NANOTECHNOLOGY, ENZYMES, FOOD BIO-TECHNOLOGY, VERMICULTURE, VERMICOMPOST, BIO-FERTILIZER, ORGANIC FARMING, BIOGAS, MUSHROOM</b>	
* Bio-Technology Handbook	1100/- 125
* Plant Biotechnology Handbook	1100/- 125
* Enzymes Bio-Technology Handbook	1100/- 125
* The Complete Book on Biotechnology Based Bulk Drugs	1050/- 125
* Handbook On Food Bio-Technology	1100/- 125
* Handbook On Plants And Cell Tissue Culture	1275/- 125
* The Complete Technology Book On Vermiculture And Vermicompost	750/- 100
* The Complete Technology Book On Bio-Fertilizer And Organic Farming (2 <sup>nd</sup> Rev. Edn.)	1400/- 150
* Handbook On Biogas And Its Applications	975/- 100
* Handbook On Mushroom Cultivation And Processing (With Dehydration, Preservation And Canning)	1275/- 125
* The Complete Book on Organic Farming and Production of Organic Compost	1275/- 125
* Nanotechnology Handbook	1675/- 150
* Nanoscience and Nanotechnology Handbook	1675/- 150
* Manufacture of Biofertilizer and Organic Farming	975/- 100
<b>PRINTING, PACKAGING, PRINTING INK</b>	
* Handbook On Modern Packaging Industries	1675/- 150
* Modern Technology Of Printing & Writing Inks	750/- 100
* The Complete Technology Book On Printing Inks	1000/- 100
* The Complete Book On Printing Technology	1100/- 125
* Handbook On Printing Technology (Offset, Gravure, Flexo, Screen) 2 <sup>nd</sup> Revised Edition	1275/- 125
* Screen Printing Technology Handbook	1000/- 100
* Modern Printing Technology	250/- 50
<b>PAPER, PULP &amp; PAPER CONVERSION</b>	
* Modern Technology Of Pulp, Paper And Paper Conversion Industries	1000/- 100
* The Complete Technology Book On Pulp & Paper Industries	1100/- 125
* Handbook on Pulp and Paper Processing	1875/- 150
<b>AGRO BASED, CEREAL FOOD, MILK, COCOA, CHOCOLATE, ICE CREAM, PLANTATION, FARMING, FOOD &amp; BEVERAGES, FRUITS, DAIRY, CONFECTIONERY, VEGETABLES, SPICES, OILS &amp; FATS, BAKERY, SNACKS, FISHERIES, MEAT, COCONUTS</b>	
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* Cultivation Of Tropical, Subtropical, Vegetables, Spices, Medicinal And Aromatic Plants	1075/- 125
* Tropical, Subtropical Fruits And Flowers Cultivation	1075/- 125
* Food Packaging Technology Handbook (2 <sup>nd</sup> Rev. Edn.)	1475/- 150
* Modern Technology On Food Preservation (2 <sup>nd</sup> Rev. Edn.)	1275/- 125
* Modern Technology Of Food Processing & Agro Based Industries (2 <sup>nd</sup> Edn.)	1575/- 150
* Modern Technology Of Confectionery Industries With Formulae & Processes (2 <sup>nd</sup> Rev. Edn.)	600/- 100
* Modern Technology Of Agro Processing & Agricultural Waste Products	975/- 100
* Handbook On Spices	975/- 100
* Modern Technology Of Oils, Fats & Its Derivatives	1100/- 125
* Modern Technology Of Milk Processing & Dairy Products (3 <sup>rd</sup> Rev. Edn.)	975/- 100
* The Complete Technology Book On Dairy & Poultry Industries With Farming & Processing 2 <sup>nd</sup> Revised Edition	1275/- 125
* The Complete Technology Book Of Cocoa, Chocolate, Ice Cream And Other Milk Products	1275/- 125
* The Complete Technology Book On Flavoured Ice Cream	975/- 100
* Wheat, Rice, Corn, Oat, Barley And Sorghum Processing Handbook (Cereal Food Technology)	975/- 100
* The Complete Book On Spices & Condiments (With Cultivation, Processing & Uses)	1500/- 150
* The Complete Book On Coconut & Coconut Products (Cultivation And Processing)	1100/- 125
* Rabbit, Goat, Sheep, Poultry, Fish And Pig Farming With Feed Technology	1100/- 125
* The Complete Technology Book On Bakery Products (2 <sup>nd</sup> Edition)	1100/- 125
* The Complete Technology Book On Snack Foods	975/- 100
* The Complete Technology Book On Processing, Dehydration, Canning, Preservation Of Fruits & Vegetables	1575/- 150
* Handbook On Fruits, Vegetables & Food Processing With Canning & Preservation (3 <sup>rd</sup> Rev. Edn.)	1475/- 150
* Handbook On Fisheries And Aquaculture Technology	1100/- 125
* Fresh Meat Technology Handbook	975/- 100
* The Complete Book On Meat Processing And Preservation With Packaging Technology	975/- 100
* Preservation Of Meat And Poultry Products	1100/- 125
* Potato and Potato Products Cultivation, Seed Production, Manuring, Harvesting, Organic Farming, Storage and Processing	1275/- 125
* Handbook on Rice Cultivation and Processing	1075/- 125



## PROCESS TECHNOLOGY BOOKS

NAME OF BOOKS	₹/US\$
*The Complete Technology Book on Meat, Poultry and Fish Processing	1075/- 125
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which has been classified in the family Tiliaceae, or more recently in Malvaceae. However, it has been reclassified within the family Sparrmanniaceae.

Jute is one of the most affordable natural fibres and is second only to cotton in amount produced and variety of uses of vegetable fibres. Jute fibres are composed primarily of the plant materials cellulose (major component of plant fibre) and lignin (major components of wood fibre).

Jute has many advantages as a home textile, either replacing cotton or blending with it. It is a strong, durable, color and light-fast fibre. Its UV protection, sound and heat insulation, low thermal conduction and anti-static properties make it a wise choice in home decor. Also, fabrics made of jute fibres are carbon-dioxide neutral and naturally decomposable. These properties are also why jute can be used in high performance technical textiles. So, there are good scope for new entrants.

### USES & APPLICATIONS

Jute is used chiefly to make cloth for wrapping bales of raw cotton, and to make sacks and coarse cloth. The fibres are also woven into curtains, chair coverings, carpets, area rugs, hessian cloth, and backing for linoleum.

Jute is used for bags, wrappers, wall-coverings, upholstery, and home furnishings. Sacking, a fabric made of heavy jute fibres, has its use in the name. CBC made of jute comes in two types. Primary CBC provides a tufting surface, while secondary CBC is bonded onto the primary backing for an overlay. Jute packaging is used as an eco-friendly substitute. Jute is also used to make ghillie suits, which are used as camouflage and resemble grasses or brush.

These are used in Shipping and Construction, Landscaping and Agriculture, Apparel, In Art, Emergency Flood Response & In Beekeeping.

### MARKET SURVEY

Jute industry has been one of India's important traditional industries but in the recent past, it had been witnessing continuous erosion partly because of competition from Bangladesh, once forming the best part of India's jute producing areas, and partly because of the onslaught of the synthetics.

**Continue on page 7**

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**Continue from page 5**

The jute industry was once India's largest foreign exchange earner. About 260,000 people are engaged in the industry besides providing support to four million farm families. The country produces about 1.6 mn tonne a year of jute goods mainly in the form of hessian (fabrics), sacks, carpet backing and yarn. Of late, other fancy products like curtains and handbags are being produced. Nonetheless, the industry has been crawling at very low pace.

Other world producers of jute are Bangladesh, China, Thailand and Nepal. Bangladesh is the biggest exporter.

In future, a number of jute mills and mini-jute plants have been seen to be engaged in jute products and jute blended yarns. We all know that the uses of jute are manifold, with the traditional usage pattern remaining constricted to packing, hessian and carpet backing.

**Cost Estimation**

Capacity	: 17 MT/Day
Plant & Machinery	: 211 Lakhs
Cost of Project	: 743 Lakhs
Rate of Return	: 25%
Break Even Point	: 59%

**OLEORESIN OF SPICES**

Oleoresin (Oleo + Resin) is a homogeneous mixture comprising of resin and oils that are volatile in nature. Before understanding the details of Oleoresins, let us first look at the nature of resin. Resin is obtained from many plants, especially coniferous trees, as a hydrocarbon secretion. And as far as its usage is concerned, no one is unaware that resin is used as adhesives

and varnishes. Oleoresin draws its source indirectly from plants due to the nature of resin.

Spices are used for flavour, colour, aroma and preservation of food or beverages. Spices may be derived from many parts of the plant: bark, buds, flowers, fruits, leaves, rhizomes, roots, seeds, stigmas and styles or the entire plant tops. The term 'herb' is used as a subset of spice and refers to plants with aromatic leaves. Spices are often dried and used in a processed but complete state. Another option is to prepare extracts such as essential oils by distilling the raw spice material (wet or dry), or to use solvents to extract oleoresins and other standardized products. There are many texts which provide an overview of the industry in general or for specific crops.

Oleoresins can be defined as natural resinous plant extractions. They are also referred to as aromatic liquid preparations made out of the combination of botanical matter extraction and solvents (i.e. resin + essential oils). The non-volatile components present in Oleoresins characterize the color, flavor and the other aspects of the raw material.

**USES & APPLICATION**

The oleoresins and spice oils are preferred because of their microbiological advantages, uniformity in flavor and pungency, easy to store and transport. They have several applications like in the preparation of beverages, soup powders, confectionary, curries, noodles, sauces, canned meat etc. Pepper Oleoresin: Ginger Oleoresin: Chili or Capsicum Oleoresin: Cardamom Oleoresin: Cloves Oleoresin: Turmeric Oleoresin: Cumin Oleoresin: Coriander Oleoresin:

**MARKET SURVEY**

India is one of the major Asian production and

trading centre of spices, its derivatives and also culinary herbs. India is a land of spices and herbs. Spice extracts offer an enrichment of flavour, colour, and taste to meet the diverse needs of food processing industry. India is known as the home of spices and produces a wide variety of spices like black pepper, cardamom, ginger, garlic, turmeric, chilli and a large variety of tree and seed spices. India is a producer, consumer and exporter of most of the spices and spice products.

Spices constitute an important group of horticultural crops. The marketing of spices is not a new activity; the spice trade has been in practice for more than thousand years, across continents. However, over a period of time, trade practices have changed. This exploratory study is to understand the logistical operations of spice trading.

Spice and derivatives market is booming because these products find applications in a number of industries including pharmaceutical, medicine, beverages, food processing, personal hygiene products. Future scope -The demand of spice oils and oleoresins in the developed countries is increasing day by day as more and more spicy snacks are being introduced by fast food chains with standardised tastes. The spice oils and oleoresins are specially suitable for such snacks in that they can be used very conveniently (without any handling of the raw spice like ginger, chilli, onion, etc.) and producing a standardised effect on taste.

**Cost Estimation**

Capacity	: 100 Kgs./Day
Plant & Machinery	: 50 Lakhs
Cost of Project	: 1428 Lakhs
Rate of Return	: 56 %
Break Even Point	: 23 %

**E-WASTE RECYCLING PLANT**

**E**-waste is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products. Many of these products can be reused, refurbished, or recycled. Unfortunately, electronic discards are one of the fastest growing segments of our nation's waste stream.

WEEE has been identified as one of the fastest growing sources of waste in the EU, and is estimated to be increasing by 16-28 per cent every five years. Within each sector a complex set of heterogeneous secondary wastes is created.

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

**USES & APPLICATION**

Electronic Waste – or e-waste – is the term used to describe old, end-of-life electronic appliances such as computers, laptops, TVs, DVD players, mobile phones, mp3 players etc. which have been disposed of by their original users. While there is no generally accepted definition of e-waste, in most cases, e-waste comprises of relatively expensive and essentially durable products used for data processing,

telecommunications or entertainment in private households and businesses.

**MARKET SURVEY**

WEEE has been identified as one of the fastest growing sources of waste in the India, and is estimated to be increasing by 16-28 per cent every five years. Within each sector a complex set of heterogeneous secondary wastes is created. Although treatment requirements are complicated, the sources from any one sector possess many common characteristics. However, there exist huge variations in the nature of electronic wastes between sectors, and treatment regimes appropriate for one cannot be readily transferred to another.

**Cost Estimation**

Capacity	: 5 MT/Day
Plant & Machinery	: 60 Lakhs
Cost of Project	: 241 Lakhs
Rate of Return	: 15 %
Break Even Point	: 43 %

**ALUMINIUM CONDUCTORS**

**A**luminium Conductors (i) All Aluminium Conductors (AAC) (ii) All Alloy Aluminium Conductors (AAAC), and (iii) Aluminium Conductors Steel Reinforced (ACSR) are used in Transmission and Distribution system to carry the generated electrical energy from generating station to end user.

The Electrical energy is normally generated at the power stations far away from the urban areas where the consumers are located. There is a large network of conductors between the generating stations and the consumer.

The network is called the Transmission and Distribution system. The Transmission system is to deliver bulk power from power stations to the load centres and large industrial consumers beyond the economical service range of the regular primary distribution lines where as distribution system is to deliver power from power sector .

**USES AND APPLICATIONS**

Aluminium has many advantages for electrical applications. It is lightweight, strong, corrosion resistant, and a highly efficient conductor (aluminium has twice the conductivity, per pound, of copper)—rendering it the material of choice for transmitting power from generating stations to homes and businesses. It is also infinitely recyclable, making it a perfect fit for today's environment.

In 2010, electrical market applications rose 13.1 percent, to 1.472 billion pounds. Shipments of ACSR, bare cable, and insulated wire and cable products totaled 631 million pounds, off 11 million pounds from the previous year. The North American electrical market was the fourth largest for aluminium, accounting for 7.3 percent of all aluminium shipments during the year.

**MARKET SURVEY**

India is a big aluminum producer in the world. It also houses a number of aluminum plants which includes aluminum smelting plants, aluminum extrusion plants, alumina refineries, FRP plants, wire rod plants, and aluminum foil plants. India holds the rank of the eighth biggest primary aluminum producer in the world.

Following Australia, Guinea, Brazil, and Jamaica, India ranks as the fifth biggest alumina producer in the world. The aluminum production of the country represents approximately 5% of the overall amount of aluminum produced in the world. The country is



## SELECTED PROJECTS FOR YOU

also a big storehouse of bauxite reserves and the bauxite reserves of the country are projected to remain for more than 350 years

The market for power conductors is set to boom in the XII Plan period thanks to a much higher power transmission outlay. With private sector companies lending a supporting hand in mega transmission lines, demand for power conductors is expected to soar. Aluminum conductors have been successfully utilized in the electrical industry for over 100 years. Electricity is transmitted from the utility power plant to point-of-use meters using aluminum wiring almost exclusively.

The Indian market for power conductors is by and large an organized one, with three players dominating the market. Sterlite Technologies Ltd is by far the industry leader, followed by Apar Industries Ltd and Diamond Power Infrastructure Ltd. These three companies together account for 70 per cent of India's power conductor market, with the remaining 30 per cent shared by a large number of smaller players spread nationwide. As of today, the power conductor market is estimated at some 5,600 crore.

### Cost Estimation

Capacity	: 4 MT/Day
Plant & Machinery	: 93 Lakhs
Cost of Project	: 393 Lakhs
Rate of Return	: 37%
Break Even Point	: 37%

## SODIUM CHLORITE (NaClO<sub>2</sub>)

### Direct Electrolysis Process from Sodium Chloride to Sodium Chlorite

Sodium chlorite is the product of three elements: sodium (Na), chlorine (Cl) and oxygen. In each molecule, one sodium atom and one chlorine atom bind with two oxygen atoms. The chemical equation for this composition is NaClO<sub>2</sub>. It is found in solid form as a white powder and is also water-soluble. Under high heat, it can be explosive.

Sodium chlorite is presently being promoted as a miracle mineral supplement or MMS with superior antimicrobial activity. Sodium chlorite is a compound used for water disinfection and purification. It is produced in large quantities as flakes or a solution from chlorine dioxide and sodium hydroxide. Its use as a bleach for textiles was first discovered during the 1920s.

In its dried state, sodium chlorite (NaClO<sub>2</sub>) is a white or light yellow-green solid. The greenish tint comes from trace amounts of CdO<sub>2</sub> or iron, which are production residuals. Sodium chlorite has a molecular weight of 90.44 and decomposes at about 392°F (200°C). It is generally soluble in water, but its solubility increases as the temperature of the water rises. Sodium chlorite is a powerful oxidizer that will not explode on percussion. The anhydrous salt does not absorb water and is stable for up to ten years.

Sodium chlorite (chlorous acid sodium salt) is a toxic inorganic substance that is used in a range of industries, including sanitation and agriculture.

### USES & APPLICATIONS

The main application of sodium chlorite is the generation of chlorine dioxide for bleaching and stripping of textiles, pulp, and paper. It is also used for disinfection of a few municipal water treatment plants after conversion to chlorine dioxide. An advantage in this application, as compared to the more commonly used chlorine, is that trihalomethanes (such as chloroform) are not

produced from organic contaminants. Chlorine dioxide generated from sodium chlorite is approved by FDA under some conditions for disinfecting water used to wash fruits, vegetables, and poultry.

Sodium chlorite, NaClO<sub>2</sub>, sometimes in combination with zinc chloride, also finds application as a component in therapeutic rinses, mouthwashes, toothpastes and gels, mouth sprays, as a teat dip for control of mastitis in dairy cattle, as preservative in eye drops, and in contact lens cleaning solution under the trade name Purite. Under the brand name Oxine it is used for sanitizing air ducts and HVAC/R systems and animal containment areas (walls, floors, and other surfaces).

### MARKET SURVEY

Globally, industrial applications for sodium chlorite are forecast to grow at a rate of 2.5% annually during 2012-2017 but will vary by region. The leading application is municipal/industrial water treatment disinfection, which accounted for about 60% of total industrial consumption. The global market for all disinfectants, including chlorine-based disinfectants, is increasing as a result of growing concerns over the spread of infectious diseases following outbreaks in 2003, 2004 and 2009 of swine flu (H1N1), avian influenza (bird flu), pertussis, common flu, cholera, West Nile virus and others. As a result, the role played by chlorinated disinfectants is related to health and social issues, and less dependent on the general economy.

Sodium chlorite and hydrogen peroxide have replaced chlorine gas as the most commonly used bleaching agents in pulp and paper mills across the globe.

Sodium, calcium, potassium and lithium hypochlorite/chlorite/chlorate are strong oxidizing agents used for bleaching, sanitation and disinfection. On a consumption basis, sodium chlorite accounted for 91% of total global chlorite use, with calcium hypochlorite at 9%. Lithium and potassium chlorite account for a negligible share.

Global demand for sodium hypochlorite for household use is projected to grow at almost 2% annually during 2012-2017. This compares with a projected growth in global demand for all disinfectants and microbials of 4.0% annually during 2012-2017 for both household and industrial uses

### Cost Estimation

Capacity	: 1 MT/Day
Plant & Machinery	: 54 Lakhs
Cost of Project	: 198 Lakhs
Rate of Return	: 29%
Break Even Point	: 54 %

## ALUMINIUM FOIL CONTAINER

Aluminum is the most widely used non-ferrous metal and is extensively used in packaging materials. It is an excellent material for creating all types of containers. However, despite the fact that about seven billion aluminum foil containers are produced annually, most packaging engineers and packaging users know very little about the advantages that these containers bring to the packaging and food service industries.

Aluminum foil containers are formed by combining mechanical and air pressure to force light gauge aluminum foil into a shaped die cavity.

Esthetically appealing aluminum foil containers are ideal for table-ready service after the container has functioned first as a package and a heating utensil. Foil containers also come in a variety of colors and special purpose coatings. Aluminium foil containers are used to prepare, freeze, store, transport, cook and serve a variety of foods. Containers made from aluminium foil are the only containers that can be used in all types of ovens such as microwave, conventional, convection and broiler.

**USE & APPLICATIONS**

Aluminium Foil Containers greatly used in day life, it also used in the kitchen, principally for the commercial preparation, packing and conveyance of food. Used in baking industry to contain food during the production and cooking phase. The food is subsequently conveyed and sold in the foil container.

Aluminium foil containers are perfect for take-home and delivery meals. Designed with a leak-proof metal wall, they will not absorb moisture or grease, promoting freshness, increasing shelf life, and maintaining flavor. Then there is the added convenience – foil containers are rigid enough to transport and stack easily.

**MARKET SURVEY**

Aluminium-one of the best material on Earth. Aluminium foil containers serve a number of markets. A wide range of container designs are available in the retail market. Baking pans, roasting pans, muffin pans, pizza pans, cookie sheets, carryout containers, etc., are widely available to the Indian consumer. Generally, these containers also come in a variety of sizes, depending on the specific consumer needs.

Aluminium foil container growth has been over 40% in the past ten years. This rapid growth can be attributed, at least in part, to the U.S. consumer's preference for easy-to-prepare foods, whether in the supermarket freezer or purchasing take home entrees or complete meals from restaurants and other retail outlets.

**Cost Estimation**

Capacity	: 147,5000 NOS./day
Plant & Machinery	: 55 Lakhs
Cost of Project	: 202 Lakhs
Rate of Return	: 53%
Break Even Point	: 21%

**PACKAGED DRINKING WATER**

**With PET Bottles**

Water is the necessity of our daily life, it's so important for us that we need clean, safe and sanitary water every day, and usually there's a more strict inspection standard in the more advanced country.

Potable spring waters containing, sulphur iron, magnesium and other mineral salts occurring in certain regions are claimed to be beneficial to human metabolism. The therapitic value of such waters is questionable carbonated mineral waters also contain lithium salts.

There are two kinds of drinking water in the market. One is the natural water, which is called mineral water. The other is processed water coming from underground or from the pipe of water plant, which is called R.O. water, space water or pure water.

**USES AND APPLICATION**

Mineral water is bottled under very hygienic conditions under strict quality control before being marketed. Its major use is in five star Hotels and Hospitals where good quality pure water is required for potable purposes. It is marketed at places and

regions where hygienic drinking water is not freely available.

**MARKET SURVEY**

The bottled water market is growing at a rapid rate of around 20% a year (down from 50 to 60%). At this growth rate, the market is estimated to overtake the soft drinks market soon. Multi-nationals Coca-Cola, Pepsi, Nestle and others are trying to grab a significant share of the market. There are more than 1800 brands in the unorganized sector. The small players account for nearly 19% of the total market.

Bottled water industry, colloquially called, the mineral water industry, is a symbol of a new lifestyle and health-consciousness emerging in India. While a large segment of the population is struggling to get access to potable water supply, a new generation - especially in the urban areas - is getting accustomed to bottled water paying handsome prices.

The growth trends in packaged drinking water and a growing demand is indicative of the fact that water and its variants will be the single largest beverage category, growing and becoming at least 20 times of the current market size within the next 10-12 years. There is a very good scope for this product and it is the right time for new entrepreneurs to venture into this field.

**Cost Estimation**

Capacity	: 40000 Ltrs./Day
Plant & Machinery	: 59 Lakhs
Cost of Project	: 171 Lakhs
Rate of Return	: 29%
Break Even Point	: 63%

**LEAD BATTERY RECYCLING**

Lead acid batteries are rechargeable batteries made of lead plates situated in a 'bath' of sulfuric acid within a plastic casing. They are used in every country in world, and can commonly be recognized as "car batteries". The batteries can be charged many times, but after numerous cycles of recharging, lead plates eventually deteriorate causing the battery to lose its ability to hold stored energy for any period of time.

The world is getting increasingly aware of the need to limit the consumption of nonrenewable resources and the production of waste. This requirement is accomplished by taking advantage of recycling technologies and re-using the materials at the end of their useful life.

The manifold increase in the automotive vehicles on roads as well as in various other applications has increased the demand for lead acid batteries. With so many batteries in use, their disposal and recycling is of paramount importance. The spent battery is 99% recyclable, if processed in proper facility and under environmental friendly conditions. The lead is the most recycled metal and more than 50% world demand is met by the secondary lead itself.

**USES AND APPLICATION**

The major uses of lead are: Storage batteries, Building Construction, Cable sheathing, Radiation screening, Ammunition and Lead Alloys. Lead is a very useful material found in many different products, with approximately six million tons used annually across the world, though much of this lead is recycled and reused.

**MARKET SURVEY**

India has very limited domestic lead production capacity. Most of the lead scrap that is generated locally from melting down lead batteries must be refined at a second smelter to improve its purity before



## SELECTED PROJECTS FOR YOU

it can be used in making new lead batteries. As the automotive industry continues to expand in China, increasing in both production and domestic consumption, the battery market will grow to meet this demand.

China is currently the largest car manufacturing and consuming country in the world, producing 18.3 million cars in 2010. Approximately 60%- 70% of current lead battery production is used in newly manufactured vehicles, while the remaining 30%-40% are sold as replacement batteries.

### Cost Estimation

Capacity	: 40 MT/Day
Plant & Machinery	: 316 Lakhs
Cost of Project	: 696 Lakhs
Rate of Return	: 32%
Break Even Point	: 50 %

## GLYCEROL MONOSTEARATE

### (NSE/SE Grade)

Glycerol monostearate (GMS) is a type of compound that does not have any color or odor. This organic compound does have a slightly sweet taste, which is why glycerol monostearate is frequently added to food products. In many instances, this substance can be found naturally in foods that are high in fat including vegetable and animal sources.

Glycerol monostearate, commonly known as GMS, is an organic molecule used as an emulsifier. GMS is a colorless, odorless, and sweet-tasting flaky powder that is hygroscopic. It is a glycerol ester of stearic acid. It occurs naturally in the body as a by-product of the breakdown of fats, and is also found in fatty foods.

GMS is a food additive used as a thickening, emulsifying, anti-caking, and preservative agent; an emulsifying agent for oils, waxes, and solvents; a protective coating for hygroscopic powders; a solidifier and control release agent in pharmaceuticals; and a resin lubricant.

### USES AND APPLICATION

GMS centers around applications involving emulsification, dispersion, suspension, and solubilization and in plastic industries. GMS is one of the widely used materials as a lubricant. Lubricates are commonly used in PVC compounding in order to ensure smooth and rapid processing.

### ADVANTAGE

Advantage of GMS is its powder form since it has very required melting characteristics helps in maintaining desired "RHEOLOGICAL" properties to the melted extricate during processing and also prevent losses due to evaporation or degradation which might otherwise be observed with liquid lubricating systems. Moreover GMS does not effect the gelatin time of polymer which result in giving output at the some processing temperature. GMS is introduce in PVS, extrusion or by incorporation with other compounding materials such as plasticizers, antioxidants stabilizers etc. Generally about 1-2% of is used although the quantity depends upon processing equipment and use of the product.

### MARKET SURVEY

The US and Europe are net importers of refined vegetable glycerine, with Asian oleo chemical production of fatty acids and alcohols previously forming the most prevalent supply stream. In the Western hemisphere, South American biodiesel production, particularly in Argentina, is beginning to change trade patterns. South American biodiesel producers previously sent crude glycerine to Asia, where it is refined and then exported. In 2012, South

American biodiesel producers have begun to refine crude and export the material.

Glycerine is mainly produced as a by-product in soap and oleochemical manufacture, using natural fats and oils as raw materials, or as a by-product of biodiesel production from the transesterification of vegetable oils into methyl esters. Glycerine can also be manufactured synthetically to give a product free of smell or taste. At present there are few manufacturers of this product and the production is not sufficient to meet the burning demand. With the growth of food and pharmaceutical industries, demand of glycerol monooleate will increase. Hence, there is a good scope for new investment.

### Cost Estimation

Capacity	: 3 MT/Day
Plant & Machinery	: 66 Lakhs
Cost of Project	: 265 Lakhs
Rate of Return	: 24%
Break Even Point	: 54%

## TONER INK FOR XEROX MACHINE

**T**oner is a powder used in laser printers and photocopiers to form the printed text and images on the paper. In its early form it was simply carbon powder. Then, to improve the quality of the printout, the carbon was melt-mixed with a polymer. Toner particles are melted by the heat of the fuser, and bind to the paper.

In earlier machines, this low-cost carbon toner was poured by the user from a bottle into a reservoir in the machine. Current machines feed directly from a sealed laser toner cartridge. Modern laser toner cartridges intended for use in color copiers and printers come in cyan, magenta, yellow and black (CMYK).

### ADVANTAGES

Prints made with the Xerox dry ink toners are readily recyclable using standard de-inking processes.

Xerox dry ink toner is non-toxic and does not generate hazardous waste (based on U.S. Federal regulations). This is the result of careful selection of materials and control of the raw material ingredients.

### MARKET SURVEY

Several toner manufacturers offer toner in wholesale quantities. Bulk loose toner is sold in barrels or 10 kg (22-pound) bags. Toner is then used by a variety of industries in order to provide consumers with a finished laser toner cartridge.

Original Equipment manufacturers such as HP and Canon as well as manufacturers of compatible toner cartridges use the toner in the process of manufacturing a brand new OEM cartridge. Remanufacturers of toner cartridges use the bulk toner in the process of creating a remanufactured toner cartridge. Other companies use the toner to provide a toner refill service. Most toner cartridges are available to the average consumer through retail outlets or local remanufacturing operations.

Remanufactured and refilled toner cartridges are generally offered at a lower cost than original toner cartridges, having been either wholly remanufactured and then refilled with toner (the more-optimal method) or just refilled with toner (the less-optimal method)

### Cost Estimation

Capacity	: 6000 Kgs./Day
Plant & Machinery	: 2959 Lakhs
Cost of Project	: 4048 Lakhs
Rate of Return	: 42%
Break Even Point	: 33 %

### SURGICAL COTTON

Surgical cotton is also known as absorbent cotton or "cotton wool". It is mainly used for medical purposes in hospitals, nursing homes, and dispensaries & at home (for first aid) etc. because of its high fluid absorbency. It is better known among masses as absorbent cotton. Absorbent cotton consists of non-woven fleeces of fine, roughly parallel, knot free cotton fibers, up to 30 mm in length to less than 20 mm. It is sterile & is therefore suitable for use in dressings.

The raw cotton is processed by series of steps, which render the cotton hydrophilic in character & free from external impurities needed to be fit for use in surgical dressings & personal hygiene. It is almost plain cellulose and constitutes one of the basic raw materials of the various cellulose industries, including plastics, rayon & explosives.

#### USES AND APPLICATIONS

Absorbent cotton or surgical cotton is used at each level from medical to corporate, and also individual's level. This item is regulated under the Drugs Control Act. Hence, it should be manufactured to meet its requirements for quality control standard. Apart from used as a dressing material, it is also used for padding for items of clothing, quilts etc.

#### MARKET SURVEY

The report is an analysis of the 2007 nonwovens industry of India with an outlook to 2012. The nonwovens information is a compilation of data provided by major industry roll goods producers in India, government sources, consultants and various companies involved in the emerging Indian nonwovens industry. The report analyses the current consumption of nonwovens and related nonwoven products, either produced domestically or imported.

A forecast through 2012 is provided for the significant nonwoven markets and discusses important trends that are driving consumption. The larger nonwoven disposables markets are covered, which include absorbent hygiene, premoistened baby wipes and medical; and durables: interlining, automotive, home furnishings and bedding, agricultural crop covers, roofing components, needle punched carpeting, geotextiles and coated/laminated substrates. The Indian markets consumed 11,100 tonnes in 2007, and we forecast these volumes will more than double to 23,200 tonnes during the five year forecast through 2012. The significant markets that will drive spun bonded polypropylene growth will be cover stock consumed by absorbent hygiene production, bedding and upholstered furnishings, agriculture and some medical end uses.

#### Cost Estimation

Capacity	: 500 Kgs./Day
Plant & Machinery	: 61 Lakhs
Cost of Project	: 156 Lakhs
Rate of Return	: 28%
Break Even Point	: 52%

### GREEN PEAS PROCESSING & PRESERVATION

The pea (*Pisum sativum*) is one of the oldest vegetable crops to be cultivated. Its culture reaches so far back into the past that the wild ancestor is unknown to us. The crop belongs to the legume family (*Leguminosae*) and is one of the most important vegetables in India.

Peas are divided into two main groups according to their use, namely green and dry peas. Green peas can be divided into varieties that are more suitable

for a single mechanical harvesting with a view to freezing and dehydration, and those varieties that are suitable only for canning and fresh marketing.

Pea is a very rapid-growing annual plant requires trellis as support for growth. It flourishes well in well drained sandy soil with adequate moisture and cool weather conditions. Short stalked green pods which appear during late winter or spring. The pods measure about 2-3 inches long, swollen or compressed, straight or slightly curved, filled with single row of 2-10 light green color smooth edible seeds.

#### USES & APPLICATIONS

Like any other green vegetable, green peas are available for around 4-5 months only. In view of their demand round the year, they can be preserved with the help of dehydration process and sold during off-season. It is also possible to produce powder which has got good market prospects. But this note considers only dehydration of green peas.

#### MARKET SURVEY

Indians generally prefer green and fresh vegetables but they are available only during seasons. Some their shelf life is not more than 3-4 days. But dehydration technique preserves them for few months and the original taste, flavour and colour is also retained. Green peas are very popular and they are used along with other vegetables in many vegetarian and continental dishes. Many fast food and snack items also include green peas. Thus apart from household demand, there is a continuous demand from restaurants, dhabas, caterers and canteens. Price is the main consideration as these eateries cannot afford high prices. Green peas are one of the few pulses in India that are consumed whole, rather than in split or flour form. Green peas are generally more expensive than yellow peas, and these prices are even higher for American green peas which are considered the highest quality and garner a premium price. The current demand of high-quality foods in the food market requires dehydrated products with high nutritional and organoleptic properties with similar levels as found in the initial fresh product. In addition, the drying process should have a low production cost and a low environmental impact. As a consequence, there is a need for better understanding of the factors affecting the properties and quality of the product during the dehydration. The use of heat-pump dryers (HPD) operating in at atmospheric pressure and freeze-drying mode can fulfill such requirements. If properly designed a HPD employs only a fraction of the energy used by a conventional dryer with similar capacity. The closed drying loop in the HPD also eliminates the common problem concerned to dust release to the atmosphere.

#### Cost Estimation

Capacity	: 5 MT/Day
Plant & Machinery	: 320 Lakhs
Cost of Project	: 767 Lakhs
Rate of Return	: 40%
Break Even Point	: 41%

### COUNTRY LIQUOR

Alcoholic beverage, spirit, or liquor is an alcoholic beverage containing ethanol that is produced by distilling (i.e., concentrating by distillation) ethanol produced by means of fermenting grain, fruit, or vegetables. Alcoholic beverage consumption patterns vary considerably among different countries and even among different ethnic groups within one country. Because

*Continue on page 14*



## BOOKS ON CULTIVATION OF HERBS/MEDICINAL AND AROMATIC PLANTS

### HERBS CULTIVATION & MEDICINAL USES



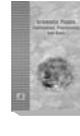
This book contains the Cultivation of different herbs with coloured photographs of various herbal plants. The book also includes the habitat, constituents, action and use in Ayurveda, Siddha and Unani medicines. ₹ 975/- US \$100

### HAND BOOK ON HERBS CULTIVATION AND PROCESSING



The book covers systematic account of most plants used in medicines. This is an indispensable book which provides cultivation techniques of various herbs with their processing. The text of each plant is divided in to two portions: the first devoted to the description to the species, its localities and other purely botanical matter and the second to the general character, composition, properties which are employed in medicines otherwise. ₹ 875/- US \$100

### Aromatic Plants Cultivation, Processing And Uses



In recent years, there has been a tremendous growth of interest in plant based drugs, pharmaceuticals, perfumery products, cosmetics and aroma compounds used in food flavours and fragrances and natural colours in the world. There is a definite trend to adopt plant based products due to the cumulative derogatory effects resulting from the use of antibiotic and synthetics and except for a few cultivated crops, the availability of plant based material is mainly from the natural sources like forests and wastelands. ₹ 975/- US \$100

### Cultivation and Processing of Selected Medicinal Plants



Ayurveda, the well known indigenous system of medicine, is still regarded as a well organised traditional health care for large sections of rural as well as urban population of India. The medicinal plants sector at present is not well organised and needs special attention. Although different Ministries and Department in the Government sector and NGOs and individuals in the private sectors are making their efforts in different directions, yet there is a need to co-ordinate any systematize. The present book covers cultivation

practices of selected commercially important medicinal plants with their processing details and uses. The book is very useful for medicinal plants growers, professionals, researchers, entrepreneurs and agriculture universities. ₹ 1175/- US \$125

### Compendium Of Herbal Plants



Herbal plants have been used for medicinal applications from earliest time, when man began caring for his body and health. Ayurved, Siddha, Unani and Homeopathy are largely based on the plants. The emphasis of development of new biologically active molecule has been gradually replaced by use of total herbs as medicine and food supplements. Now herbal based products has very good present and future prospects in international market. The present book throw lights on hundreds of herbal plants with their photographs, which has good medicinal values. This is very useful book for agriculture universities, researchers, cultivators, ayurvedic pharmacies etc. ₹ 975/- US \$100

### The Complete Technology Book on Flavours, Fragrances, and Perfumes



Many studies have been carried out on fragrances, flavours and perfumes worldwide. These products have important commercial value not only in India but in all over the world. Perhaps the most interesting of the last few years in the fragrance and flavour fields are the many compounds described in this book. They may be used to engender or augment flavours in foodstuff, chewing gums and medicinal products like mouthwash and toothpaste. ₹ 1675/- US \$150

### HERBS CULTIVATION & Their Utilization



India is one of the leading Herbs producer and exporter in the world. This book covers the comprehensive information on Herbs Cultivation & their utilization. ₹ 800/- US \$100

### MEDICINAL PLANTS Cultivation & Their Uses



The book covers different Parameters of Medicinal Plants Cultivation and various ways of their uses. It covers Medicinal Plants containing alkaloids, steroids, flavonoids, glycosides, terpenoids, additives and other active metabolites. ₹ 975/- US \$100



### CULTIVATION AND UTILIZATION OF AROMATIC PLANTS

Aroma has played a vital role, directly as well as indirectly, in the life of human beings since its appearance on the earth as a result of evolution. India, Egypt and Persia were amongst the first countries to have conceived the process of distillation of essential oils. The aim of publishing this book is to provide multidisciplinary information on aromatic plants. ₹ 1100/- US \$125

## BOOKS ON ELECTROPLATING, ANODIZING, PHOSPHATING, POWDER COATING

### Electroplating, Anodizing & Metal Treatment Hand Book



Electroplating & Metal finishing both are art and science. This book is concerned with chemical, physical, electromechanical and Electroplating processes. Electrodeposition of metal is a very significant industrial process. A large number of metals are electrodeposited on metals and nonmetals. The general principles, processes preparatory to heating like degreasing, cleaning, pickling etc. are all delineated. This book comprises various formulae of bath solutions, current density, deposit thickness, manufacturing processes, various ingredients used in Electroplating and other plating processes. ₹ 1475/- US \$150

### The Complete Technology Book on ELECTROPLATING, PHOSPHATING, POWDER COATING AND METAL FINISHING



There is hardly any techno-industrial activity which is as popular, as useful, as universal as employment oriented as the practice of plating and metal finishing. It exists in cottage industries, small scale industries or even medium scale and large scale industries. Electroplating and Metal Finishing concerns itself with the development and applications of processes and plants for the deposition of metals, alloys, composites and non-metallic coatings. These coatings are used for decorative, protective and functional applications. Most of the recent developments are with respect to such coatings. Components are designed on grounds of weight savings and cost savings. Metal finishing has now come to be known as "Surface Engineering." In addition to the decorative aspects, metal finishing aids the protection of metals and alloys from corrosion and rusting. A great potential exists for development of new materials involving, for example, coatings of metals composites, particle-incorporated anodic coatings and even films of sapphire-like materials, porous films of niobium etc. and coatings of refractory metals like molybdenum and tungsten. Industries in developing countries like India have to be increasingly aware of the need not only for upgradation of existing technologies but also for indigenisation of new technologies on a time-bound basis. ₹ 1100/- US \$125

## BOOKS ON STEEL/ALUMINIUM

### The Complete Technology Book On HOT ROLLING OF STEEL



Although the cold rolling of non-ferrous materials has been practiced since the fourteenth century, the hot rolling of steel was begun in the latter half of the seventeenth century or just over 300 years ago. The subject of hot rolling is broad enough even if confined solely to the deformation processes themselves. However, many of the problems occurring in hot rolling originate in earlier processes, such as casting, soaking and the conditioning and reheating of semi finished products. For this reason, it was felt desirable to discuss these topics in some detail in this book. ₹ 1575/- US \$150



### Steel Rolling Technology Handbook

The steel industry has had a long history of development, yet, despite all the time that has passed, it still demonstrates all the signs of longevity. New ideas continue to revolutionize the steel-producing process today as much as they did a hundred years ago. The present book covers latest technology of steel rolling, which will give a new path to entrepreneurs and existing units. ₹ 1100/- US \$125

### THE COMPLETE TECHNOLOGY BOOK ON ALUMINIUM AND ALUMINIUM PRODUCTS



Aluminium, the second most plentiful metallic element on the earth, became an economic competitor in engineering applications as recently as the end of 19th century. It was become a metal for its time. Aluminium possesses many characteristics that make it highly compatible with recycling. Aluminium is resistant to corrosion and it thus retains a high level of metal value after use, exposure, or storage. Once produced, aluminium can be considered a permanent resource for recycling, preferably in to similar products. The present book covers the need within the industrial and academic communities for up-to-date information about production of aluminium and extrusion process due to the ever-increasing use of this technology. The book provides concepts in the different areas of extrusion technology. It is hoped that its presentation will be very helpful to new entrepreneurs, technocrats, research scholars, libraries and existing units. ₹ 1450/- US \$ 150

### The Complete Book On Ferrous, Non-Ferrous Metals with Casting and Forging Technology



The heat treatment of ferrous (steel) Metal is based on the physical metallurgical principles which relate processing properties and structure. In heat treatment, the processing is most often entirely thermal and modifies only structure. The principles which govern heat treatment of metals and alloys are applicable, of course, to both ferrous and non-ferrous alloys. However, in practice there are sufficient differences to make it convenient to emphasize as separate topics the peculiarities of the alloys of each class in their response to heat treatment. The Present book covers production processes, heat treatment and other valuable details of ferrous and non-ferrous metals. ₹ 1575/- US \$150

## WASTE MANAGEMENT

### PRODUCTS FROM WASTE INDUSTRIAL & AGRO WASTE



We have made a sincere effort to bring out this book which is a key to the gold-mine which can be obtained from waste. For the conservation of our environment and sustainable development, we have tried to bring about a solution. This book is a careful attempt in bringing together some selected articles from both entrepreneurs and specialists on all that is possible in the field of waste management. We have also tried to chalk out all that can be done under the government policies and how constitution has tried to help in the conservation of environments. ₹ 975/- US \$ 100

### Modern Technology of WASTE MANAGEMENT



#### POLLUTION CONTROL, RECYCLING, TREATMENT & UTILIZATION

The utilization to resources and generation of waste is for waste is for beyond the limit that the biosphere was made to carry. Infact, man today is caught in the vicious circle of increasing wants, declining resources and increasing waste being generated by the industries and municipalities is posing a problem of enormous dimensions. The domestic and industrial effluents are contributing in enhancing this problem. It might become the biggest problem if it is not dealt with immediately. ₹ 975/- US \$ 100

### Medical, Municipal and Plastic Waste Management HANDBOOK



Waste management is one of the essential obligatory functions of the country. This service is falling too short of the desired level of efficiency and satisfaction resulting in problems of health, sanitation and environmental degradation. This book provides overview of the status of medical, municipal and plastic waste management. Treatment techniques includes sterilization, incineration and number of recycling methods. ₹ 1275/- US \$125

India has great variety in topography, climate, vegetation, culture, and traditions, it is unsurprising that hundreds of kinds of alcoholic beverages are made and consumed. All of them, however, can be grouped into the following four broad categories; India-Made Foreign Liquor (IMFL), Country Liquor or Indian Made Indian Liquor (IMIL), Illicit Liquor and Beer. IMFL are the category, created for revenue purposes, consists in Western-style distilled beverages such as whiskey, rum, vodka and brandy. These beverages are made in India under government licenses and the maximum alcohol content allowed is 42.8%. Whiskey is by far the most popular drink in this category, with hundreds of brands available, at least 20 of which have an all-India presence. Indian Made Indian Liquor (IMIL) are made from any cheap raw material available locally, e.g. sugarcane, rice, or coarse grains. Country liquor is produced in licensed distilleries and sold from authorized outlets within the same district. Common varieties of country liquor are arrack, desi sharab, and tari (toddy). Excise duties are paid, but since production costs are low the retail prices are also low. The licensing system and some governmental monitoring of the production process ensures a uniformity in alcohol content (around 40%) and basic safeguards against adulteration with other harmful intoxicants. Northern and western India are sugar-producing areas, and a large amount of molasses is available in these states at a very cheap price. Consequently, molasses is the main raw ingredient for country liquor. In south India, coconut and other palms are used for the same purpose. In addition, inexpensive grains are used for country liquor all over India.

Country liquor is generally used for direct consumption. The people who cannot afford the prices of foreign liquor, they will go for country liquor. It has high intoxicating properties. So mostly poor class people will get full utility from the country liquor.

From very beginning, man is almost habitual of drinking because at that time, there was nothing to cheers up. Now days, Due to modernization of society, there are heavy consumption of alcoholic liquors and wines too. But I M F L (Indian made foreign liquors) is too much costly than country liquor, so I M F L is not available for a common man. But being cheaper the country liquor than I M F L, so far a common public, it is quite available, and they consume a huge amount.

#### **MARKET SURVEY**

India's alcoholic beverage market has grown steadily over the period. The industry reached the 500 million cases consumption mark in FY'2007 and ~ million cases consumption mark in FY'2009, showcasing a rapid growth. From a 430.3 million cases market in FY'2005, the market has clocked a consumption of ~ million cases in FY'2011, registering a CAGR of ~%. Country Liquor has the highest market share in India making currently the most consumed alcoholic beverage in India and has a commanding presence in the northern states of India. Though in the short run, country liquor is still expected to have the major market share, in the long run, their market share will decrease to ~% by FY'2016 and will be overtaken by the IMFL segment. The segment is expected to sustain the market leadership to a longer period only to some extent by increasing quality, proper branding and promotions.

Worldwide production of country liquors rises

steadily each year, which attests the buoyant condition of the producing industries. Future prospects must therefore be extremely rosey. But whether future expansion will be along the lines already taken-with the same types of spirit being produced-on whether the lesser known drinks will become more popular, especially in the large consuming countries, is a matter for speculation sugar factory by product molasses is the main raw material for the production of alcohol (ethanol) with increased production of sugar and availability of molasses more distilleries for the production of alcohol could be set up in the sugar producing states subjects to the certification by the state Excise commissioner that sufficient quantity of molasses could be made available to the proposed unit (S) without disturbing the inter-state allocation of molasses made from that state to the deficit states by the Government from time to time.

#### **Cost Estimation**

Capacity	: 1500 Ltrs. /day
Plant & Machinery	: 38 Lakhs
Total Capital Investment:	159 Lakhs
Rate of Return	: 45%
Break Even Point	: 45 %

#### **MAGNESIUM OXIDE-DEAD BURNED MAGNESIA (DBM)**

**M**agnesium oxide is the most important industrial magnesium compound with its main application in the steel and refractory industry. It is also largely used in many other industrial sectors including the food and animal feed industries.

Magnesia or magnesium oxide is an alkaline earth metal oxide. The majority of magnesium oxide produced today is obtained from the calcination of naturally occurring minerals, magnesite,  $MgCO_3$ , being the most common. Both  $MgCO_3$  and  $Mg(OH)_2$  are converted to  $MgO$  by calcination. The thermal treatment of the calcination process affects the surface area and pore size and hence the reactivity of magnesium oxide formed. The source largely determines the level and nature of impurities present in the calcined material. Caustic calcined magnesia which is used in a wide range of industrial applications e.g. plastics, rubber, adhesives and acid neutralisation is formed by calcining in the range 700 – 1000°C. By calcining in the range 1000 – 1500°C the magnesium oxide is used where its lower chemical activity is required e.g. fertiliser and animal feed. Dead-burned magnesia, which is produced in shaft and rotary kilns at temperatures over 1500°C, has reduced chemical reactivity therefore is more suited to refractory applications. Finally fused magnesia which is produced in an electric arc furnace from caustic calcined magnesia at temperatures in excess of 2650°C is used for a variety of refractory and electrical applications.

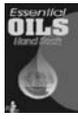
#### **USES OF MAGNESIA**

Sintered or dead burned magnesia is primarily used in the refractory industry. Example areas of application for refractory products using magnesia are: In the steel industry, for electric arc furnaces, basic oxygen furnaces or other furnaces, steel converters, hot metal transport and machinery in the cement industry, for the inlets of preheaters, cement kilns and coolers in the non-ferrous metal industries. For furnaces in the lime industry, e.g. for the inlets of lime kilns in the glass industry, e.g. for

**Continue on page 16**



## BOOKS ON ESSENTIAL OILS & PERFUMES



### Essential Oils Handbook

With the development of science and technology, essential oils are becoming popular due to its uses in the manufacturing of different products. This versatile book takes recourse to most pragmatic formulae on diversified essential oils. ₹1275/- US \$125



### The Complete Technology Book of ESSENTIAL OILS (Aromatic Chemicals)

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This versatile publication takes recourse to most pragmatic formulae on diversified perfumery products, flavours, essential oils etc. Overall, the book furnishes complete formulae with processes/technicalities which are immensely innovative and profoundly utilitarian for new entrepreneurs as well as motivate the existing units in quality improvement and cost reduction. Flow diagrams for various methods of preparation are vivid representations of the process sequence. Sources of raw materials, plant and machinery are also given in the book. ₹975/- US \$100



### The Complete Technology Book of Herbal Perfumes & Cosmetics 2nd Revised Edn.

The versatile book takes recourse of pragmatic formulae of diversified herbal perfumes and cosmetics. Overall, the book contains formulae, processes, technicalities. ₹1275/- US \$125

## BOOKS ON AGRICULTURE

### The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses)

Jatropha belonging to the family Euphorbiaceae is a multipurpose shrub or small tree of significant importance because of its several industrial and medicinal uses, where as Ashwagandha, Stevia, Brahmi and Jatamansi are the important herbs which have very good medicinal values. The present system of medicine is gradually gaining popularity mainly because of less or no toxic or side effects of herbal drugs. So, these herbs have very good future prospects globally. This book contains cultivation, processing and uses of Jatropha, Ashwagandha, Stevia, Brahmi and Jatamansi. ₹1500/- US \$150



### The Complete Book on Coconut & Coconut Products (Cultivation and Processing)

Coconut plays an important role in the economic, social and cultural activities of millions of people in our country. India is a major producer of coconut in the world. Coconut provides food, edible oil, industrial oil and health drink to humanity. All parts of coconut tree is useful in one way or other and the crop profoundly influences the socio-economic security of millions of farm families. The present book contains the methods of cultivation and processing of coconut. ₹1100/- US \$125



### Tropical, Subtropical Fruits & Flowers Cultivation

Plant propagation is an important aspect of agriculture in general and horticulture in particular. This book contains new methods for cultivation of tropical, subtropical fruits and flowers. ₹1075/- US \$125



### CULTIVATION OF FRUITS VEGETABLES AND FLORICULTURE

The study of fruit and vegetable production, is a subject of enormous scope. It involves the integration of wide spectrum of disciplines. As the new technologies and developments become available, cropping system and production practices changes. Many principles and practices, that were common a few years ago may no longer be current. The purpose of this text is to provide complete, reliable, up to date information on the various phases of fruit and vegetable production in a systematic and convenient manner. Floriculture covers all the aspects related to the production and use of flowers and ornamental plants, flower seeds, bulbs etc. ₹1100/- US \$125



### Cultivation of Tropical Subtropical Vegetables, Spices, Medicinal and Aromatic Plants

Plant species grown in tropical countries on small scale family farms or commercial farms, to provide food for humans or livestock, in dry or humid regions are highly abundant and taxonomically diversified. Vegetables comprise of a large number of plants, mostly annual, of which different parts like leaf, stem, flower bud, flower, fruit, root etc. are eaten. They are rich in nutrients and are essential items of a balanced diet. Vegetables are called protective food as their consumption can prevent several diseases. ₹1075/- US \$125



### Handbook on Mushroom Cultivation and Processing (with Dehydration, Preservation and Canning)

Mushroom has been attracting attention of mankind since ancient times and use of mushroom, as food is as old as human civilization. It is very rich in protein, vitamins and minerals. Unfortunately, it is realised that mushrooms did not receive universal acceptance over the years since a number of naturally growing mushrooms are poisonous. In the new situation cultivated edible mushrooms are totally safe for human consumption. This book contains cultivation, processing, dehydration, preservation and canning of various species of mushrooms. ₹1275/- US \$125

## BIOTECHNOLOGY

### BIOTECHNOLOGY Hand Book

Biotechnology and cell molecular biology have developed and emerged in to a major discipline during last two decades. This is an unique book, concise, upto date resource offering an innovative, adoptive and valuable presentation of the subject. It covers all important biotechnological topics of industrial and academic interests. ₹1100/- US \$125



### Enzymes Bio-Technology Hand Book

Enzymes are the focal point of biotechnological processes. Without them biotechnology as a subject would not exist. In this book you can find all the basic information required on the fundamental aspects of the enzymes, their chemistry, biochemistry as well as detailed information of their applications a wide variety of industrial processes etc. ₹1100 US \$125



### Hand Book on BIO GAS and It's Applications

Energy from different sources, especially biomass has assumed great importance in development and under developed countries of the world. Most of the energy needed for cooking space heating and lighting etc. in rural area of such countries comes from biomass which have been used since long times. The book contains technology of bio-gas generation with its applications. ₹975/- US \$100

### The Complete Technology Book on VERMICULTURE AND VERMICOMPOST

Vermiculture is a new development in biotechnology based product which helps to solve the partially pollution problems. Vermiculture is a mixed culture which contains on specific culture of soil bacteria mixed an effective strain of earth worms. All over world, from developed countries like USA, U.K, Russia and Japan, as well other to developing countries like China, Mexico, Brazil and Philippines etc, Earthworm culture, popularly called vermiculture is being widely practiced in big commercialised manner. In India too some companies have come up, but by and large general awareness remains lacking, despite fact that several non Governmental Organisations and Governmental Institution are trying hard to popularise the subject for adoption. ₹750/- US \$100



### The complete Technology Book on BIO-FERTILIZER AND ORGANIC FARMING 2nd Edition

Bio-Fertilizers are natural fertilizers which are microbial inoculants of bacteria, algae, fungi alone or in combination and they augment the availability of nutrients to the plants. The use of bio-fertilizers, in preference to chemical fertilizers, offers economic and ecological benefits by way of soil health and fertility to farmers. In view of the immense potential of bio-fertilizers as a supplementary nutrient source for the crops, this book on bio-fertilizer technology covers all major types of bacterial fertilizers. Rs. 1400/- US \$150



### Handbook on Plants and Cell Tissue Culture

Plant cell tissue culture is a rapidly developing technology which holds promise of restructuring agricultural and forestry practices. During the last two decades cell culture have made considerable advanced in the field of agriculture, horticulture, plant breeding, forestry, somatic cell genetics, phytopathology etc. The present book discuss about the methods of plant cell tissue culture. ₹1275/- US \$125



### The Complete Book on Biotechnology Based Bulk Drugs

The development of biotechnology is taking place in almost all fields of human life. The recent advances in the field of basic genetics have opened up new vistas, potentials and possibilities. The present book contains process of biotechnology based bulk drugs like penicillin, B lactam Antibiotics, Aminoglycoside Antibiotics, Peptide Antibiotics, Anti Cancer Agents, Lincomycin etc. This is very useful book for entrepreneurs, technocrats, research scholars, libraries etc. ₹1050/- US \$125



### Plant Bio-Technology Hand Book

Micro propagation is a fast and suitable method for producing large number of similar plants of germplasm with in a short period. The book contains measurement of plant cell growth, plant tissue culture, initiation of embryo genesis in suspension culture, micro propagation in plants, genetic transformation of plants, isolation of plant DNA and many more. ₹1100/- US \$125



### Handbook on FOOD BIOTECHNOLOGY

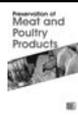
Biotechnology concerns the practical application of organisms or their components. Historically, Bio-technology was an art, involved in the production of wines, beers and cheese. Now a days it involves a series of advanced technologies spanning biology, chemistry and process engineering. The present book is an attempt towards the entrepreneurs to motivate them to invest in organic farming and processing in sophisticated manner by application of Bio-technology. ₹1100/- US \$125



## MEAT/FISHERIES

### The complete Book on Meat Processing And Preservation with Packaging Technology

Meat, an excellent source of protein, iron and B vitamins, was processed as early as prehistoric times, probably by drying in the sun and later by smoking and drying over wood fires. Today, meat is processed with salt, colour fixing ingredients and seasonings in order to impart desired palatability traits to intact and comminuted meat products. ₹975/- US \$100



### Preservation of Meat and Poultry Products

Food preservation is a method of maintaining foods at a desired level of properties or nature for their maximum benefits. Different preservation techniques are being developed to satisfy current demands of economic preservation and consumer satisfaction in nutritional and sensory aspects, convenience, absence of preservatives, low demand of energy and environmental safety. The present book contains various processes of meat and poultry preservation. ₹1100/- US \$125



### Handbook of Fisheries and Aquaculture Technology

The fishery sector is important from Indian economy view point as it contributes a source of income to a number of fishermen and has huge export potential. A wide range of aspects of fresh water aquaculture such as selection of species of fish and shellfish, construction and preparation of various types of fish ponds, control of aquatic weeds and predators, production of seed fish and their transportation, fish nutrition and fish diseases and their control pertaining to composite fish culture, air breathing fish culture etc. have been dealt with a length for easy adoption. ₹1100/- US \$125

melting furnaces, regenerator chambers. It is chiefly used in the manufacturing of refracting bricks for furnace lining.

Based on a worldwide magnesia production shows the sector specific consumption of magnesia in different industries including the synthetic magnesia industry. Magnesia is mainly used for the production of refractory products. 65 % of magnesia used for refractories is produced in order to be used in the steel industry, 15 % in the cement industry, 7 % of magnesia production is used for other refractory applications, such as in the non-ferrous metals industries or in the glass industry and finally 13 % of total production is used for s are known – most of them are for CCM. The main applications can be found in agriculture as feed or fertiliser, in the construction industry as floor covering and for insulation, in the manufacture of cellulose, paper, chemicals, and pharmaceuticals, flame-proofing and sweeping materials as well as in environmental protection.

#### **MARKET SURVEY**

Magnesium is the eighth most abundant element and constitutes about 2 percent of the Earth's crust. It is the third most plentiful element dissolved in seawater, with a concentration averaging 0.13 percent. Although magnesium is found in over 60 minerals, only dolomite, magnesite, brucite, carnallite, and olivine are of commercial importance. Magnesium and magnesium compounds are produced from seawater, well and lake brines and bitterns, as well as from the minerals noted above. Refractory magnesia represents the largest tonnage use of magnesium in compounds. The iron and steel industry is the largest consumer of these products in the United States and most other magnesia-consuming countries. Dead-burned magnesia from magnesite, seawater, or well and lake brines is used as a major constituent in metallurgical furnace refractory products. Magnesia is also used in agricultural applications for animal feed and fertilizer. Magnesium serves as a structural part of the chlorophyll molecule, a compound necessary for plant photosynthesis. Without sufficient magnesium, either from the soil or from fertilizer application, plants can die. Corn, potatoes, cotton, citrus, tobacco, and sugar beets are among the crops that are highly responsive to magnesium fertilization.

Most of the end-use markets for caustic-calcined magnesia are mature, and there is little room for significant growth. The exception to this is the environmental market, where applications in water treatment are growing. Caustic-calcined magnesia competes with magnesium hydroxide in this market.

#### **Cost Estimation**

Capacity : 1000 MT/Day  
 Plant & Machinery : Rs.6105 Lakhs  
 Cost of Project : Rs.10189 Lakhs  
 Rate of Return : 47 %  
 Break Even Point : 75 %

#### **MUNICIPAL SOLID WASTE (MSW) MANAGEMENT**

**W**aste is an unavoidable by-product of human activities. Economic development, urbanization and improved living standards in cities increase the quantity and complexity of generated solid waste. If accumulated, it leads to degradation of urban environment, stresses natural resources and leads to health problems. Cities in are facing a high level of pollution; the situation in developing countries is more acute, this is partly caused by inadequate provision of

basic services like water supply, sanitation facilities, transport infrastructure and waste collection. Municipal corporations of the developing countries are not able to handle the increasing quantity of waste, which leads to uncollected waste on roads and other public places.

There has been a significant increase in MSW (Municipal Solid Waste) generation in India in the last few decades. This is largely because of rapid population growth and economic development in the country. Solid waste management has become a major environmental issue in India. The per capita of MSW generated daily, in India ranges from about 100 gm in small towns to 500 gm in large towns. MSW in cities is collected by respective municipalities and transported to designated disposal sites, which are normally low lying areas on the outskirts of the city. The limited revenues earmarked for the municipalities make them ill-equipped to provide for high costs involved in the collection, storage, treatment, and proper disposal of MSW. As a result, a substantial part of the MSW generated remains unattended and grows in the heaps at poorly maintained collection centres. The choice of a disposal site also is more a matter of what is available than what is suitable.

#### **MARKET SURVEY**

Modernization and progress has had its share of disadvantages and one of the main aspects of concern is the pollution it is causing to the earth – be it land, air, and water. With increase in the global population and the rising demand for food and other essentials, there has been a rise in the amount of waste being generated daily by each household. This waste is ultimately thrown into municipal waste collection centres from where it is collected by the area municipalities to be further thrown into the landfills and dumps. Municipal solid waste (MSW) in India has been increasing by about 60 percent per day per person compared to 20 years ago due to the population and robust economic growth the country is enjoying. Thus, managing solid waste management and disposal (SWMD) has become a critical problem for the government due to unstructured management plans and higher awareness of public health and better education.

Currently most wastes are disposed into poorly managed control tipping with little or no pollution protection measures. This conventional disposal method is land dominance with poor maintenance and the payment for the use of it is currently made indirectly through the annual housing assessment fee and unknown to the households. There are uncertainties in public awareness and attitudes towards the solid waste disposal (SWD) issues and these concerns relate to the public demand or WTP for the service characteristics of various better disposal technologies that are offered. Waste Minimization is a process of reducing waste produce by individuals, communities and companies, which reduces the impact of chemical wastes on the environment to the greatest extent. Household level of proper segregation of waste, recycling and reuse.

#### **Cost Estimation**

Capacity : 390 MT/Day  
 Refused Derived Fuel : 90  
 MT/Day  
 Compost Derived Fuel: 240/  
 MT/Day

*Continue on page 18*

**BOOKS ON PULP, PAPER CONVERSION, PRINTING AND PACKAGING**



**Hand book on PRINTING TECHNOLOGY (Offset Gravure Flexo Screen)**

The developments in science and technology have revolutionized the printing industry in the progressive countries of the world. There has been a considerable compact of this progress in the Indian Printing Industries. ₹1275 US\$125



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



**The Complete Technology Book on Pulp & Paper Industries**

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



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The book has been written for the benefit of entrepreneurs who can not invest large amounts 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. ₹1675 US\$150



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

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The Book is based on the latest technology involved in textile industry. It contains processes of textile spinning, weaving, finishing and printing. ₹1100 US\$125



**HANDBOOK ON NATURAL DYES FOR INDUSTRIAL APPLICATIONS**

This is a single book which has information related to extraction of dyestuffs from 19 common flowers, weeds, bark or leaves and its application on cotton silk and wool fabrics for textile industry. The book describes the step wise methodology of extraction, mordanting and dyeing with photos of the actual plants part used for extraction of Natural dye. Shade cards have been incorporated so that the full gamut of colors can be visualized from each dyestuff. The Author Dr Padma S Vankar, works as Principal Research Scientist, in Facility for Ecological and Analytical Testing (FEAT) at Indian Institute of Technology, Kanpur. She has been engaged in the screening and characterization of newer natural dyes for the past 10 years. She also works in the area of designing synthetic strategies for Ecofriendly dyes using microwave heating system. Using innovative technology for natural dyeing has been her main emphasis. The author has conducted several workshops throughout India in order to popularize natural dyeing. ₹1100 US\$125



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The book covers complete details of textile processing with the standard parameters of effluents treatment which is the burning point for the textile processors. ₹1000 US\$100



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This is one of the best books on Textile Dyes and Pigments covering Formulae, Manufacturing Processes of Various Textile Dyes and Pigments. This book will be very helpful to new entrepreneurs, researchers, general information seekers and libraries or those who want to diversify in this field. ₹1100 US\$100



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Starch is a group of polysaccharides, composed of glucopyranose units joined together by glucosidic linkages. Industrially, starch is broadly divided in to two types of viz, natural and modified. The characteristics of the natural starches are changed by chemical or enzymatic reaction and the products of these reactions are termed modified starches. Starch can be obtained from maize, sorghum, roots and tubers such as tapioca, arrow root, potatoes etc. ₹1100 US\$125



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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. The book stress on syntheses of different types of Dyes and Dye Intermediates. The formulae and processes has been described in very proper way. ₹1100 US\$125



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The present book is the first of its kind which contains process and other parameters for the manufacturing of fibres arrives from natural sources. Due to eco-friendly nature there is very good domestic and export potentiality of natural fibre. ₹1275 US\$125



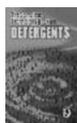
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Due to pollution problems in synthetic dyes and pigments industry, the whole world is shifting towards the manufacturing of natural dyes and pigments. The present book contains techniques of producing different natural dyes and pigments, which has huge demand in domestic as well as in foreign market. ₹1100 US\$125

**BOOKS ON SOAPS, DETERGENTS AND COSMETICS**

**Modern Technology of Soaps, Detergents & Toiletries**

(With Formulae & Project Profiles) 3rd Edn. The book contains the formulae of different types of soaps, detergents (cake, powder and liquid) toiletries, analytical testing method, quality control of finished products, packing criteria of cosmetics and toiletries alongwith project profiles and addresses of raw material, plant and machinery suppliers. ₹750 US\$100



**The Complete Technology Book on DETERGENTS**

The Indian detergent industry is about three decades old. An interesting and unique feature of detergent industry in India is the existence of non-power operated units which do not use any electrical power for the production of detergent powder. This text emphasizes practical aspects of detergent production with latest development and other special products based on synthetic surfactants. This book is an attempt to fill the need of those desirous of starting detergent industries in small scale sector. ₹800 US\$100



**Soaps, Detergent and Disinfectants Technology Handbook**

It has been said that soap and detergent consumed in a country is a reliable measure of its civilization. There was a time when these products were luxury, now it is a necessity. The present book contains formulae, processes of different types of soap, detergents and disinfectants. These products have good demand in domestic as well as in international market. So there is very good scope for new entrepreneurs to venture into this field. This book is very useful for entrepreneurs, technocrats and for those who to diversify to this field. ₹1275 US\$125

**Hand Book on SOAPS, DETERGENTS & ACID SLURRY** 2nd Edn.

The Soap and Detergent industry is profoundly lucrative with splendid market potential as well as bright future scope. In order to meet the requirement of market demand, many more new units are recommended to be established on small and cottage scale. The present book has been written keeping in view the basic difficulties of the entrepreneurs. Nominal investment is required for this industry which comprises simple methods of processing for manufacturing of various types of soaps, detergents and acid slurry. ₹1100 US\$125



**The Complete Technology Book on Soaps**

Being consumable in daily life soap industry is profoundly lucrative with splendid market potential. This industry has very good future prospects. Many more new units are recommended to meet the requirement of Indians demand. The book covers formulae, processes of different type of washing and toilet soaps. ₹800 US\$100



**Modern Technology of COSMETICS**

The manufacture of Cosmetics is by no means new methods adopted were used several decades ago. The attempt made in this book is to improve the older methods and provide the latest formulae and techniques to manufacture the different cosmetics like Hair Preparations, Face Powders, Toilet Powders, Cosmetics for the Skin, Creams, Lotions for various uses, Lipistics, Shampoos, Dandruff Tonics, Nail Polishses etc. ₹1100 US\$125

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The developments in wood industry in the country are mainly attributed to the pioneering work carried in the field of wooden products. There are lot of chemicals and other products extracted from wood. This book contains processes of various wooden products and its derivatives. ₹1100 US\$125



**LEATHER PROCESSING AND TANNING TECHNOLOGY HANDBOOK**

The profitability of leather processing is dependent on a good product and requires the consistent implementation of well under stood process. This book covers latest techniques of leather processing and tanning, so that the industries involved in this process and new entrants can grow up with new technology. Leather tanning as an industry has been subjected to evolutionary forces as technology makes use of new materials, technique and concepts. ₹1400 US\$150



**The Complete Book on Glass And Ceramics Technology**

The technology of glass and ceramics are nowadays wide field involving a great variety of raw materials, manufacturing processes, as well as products, and of considerable diversity in theoretical background. The manufacture of traditional glasses and ceramics is based on the utilization of the most widely occurring natural raw materials. The efforts has been made to provide maximum and latest information about processing of glass and ceramics and their products in this book. ₹1275 US\$125

	Recyclable Waste : 60/MT/ Day
Plant & Machinery :	2522 Lakhs
Cost of Project :	2962 Lakhs
Rate of Return :	38 %
Break Even Point :	33 %

### **CORRUGATED BOXES**

The materials now available for packaging are paper and paper products, metal containers and foils, glass, plastics-rigid and flexible, cellulose films, textiles including jute, woven plastics and wood. Among the packaging materials, paper and paper based products continue to occupy a predominant place. Paper based materials used for packaging include bleached and unbleached Kraft, corrugated and solid fiber boards, and a large variety of converted items like wax coated, plastic coated, bitumen coated etc. Corrugated and solid fiberboard boxes have replaced the conventional wooden boxes as transport containers because of their lightweight and satisfactory strength.

Packaging has been assuming importance in the context of growth of industries in general and consumer industries in particular. Paper is one of the most important materials that enter packaging. Paper is extensively used for making boxes, bags, sealing tapes, drums and tubes and as cushioning materials. Today, paper is mostly made from wood, but rags and re-cycled fibers are also used in large amounts. Wood is typically 50% cellulose and 30% lignin. Softwood (3/16" long fibers) makes the best paper for packaging purposes.

#### **ADVANTAGES OF CORRUGATED BOXES**

The advantages of corrugated boxes to other packaging materials may be assumed as under: Light weight, Low cost, Easy setting up and letting, Small storage space required, Cushioning properties, Easy handling, Adaptability to interior packing, Attractive printing and Wide source of supply.

#### **USES & APPLICATIONS**

Duplex Carton box mostly used in the following sectors: Pharmaceuticals companies, Health and beauty product manufacturers, Processed food packers, Pharmaceuticals, Garments, Liquor Cartons, Agarbatti Packaging and Packaging of Engineering Parts.

#### **MARKET SURVEY**

The paper industry plays an important social role and consumption of paper is considered as an indicator of economic growth of the country.

An improvement in the standard of living of Indians, especially in urban areas has resulted in a gradual shift towards better quality papers. This is expected to increase the demand for high-end varieties of paper. Further, with rising exports and keeping in view the current trend of outsourcing, foreign publishers have started outsourcing printing and publishing jobs to India. This would significantly increase the demand for different varieties of paper. The present domestic paper demand is 5.6 million tpa. Indian per capita consumption of paper is 5 Kgs with an expected growth rate of 6-7% per annum over the next 5 years.

#### **Cost Estimation**

Capacity	: 6000 Nos. /day
Plant & Machinery	: 29 Lakhs
Cost of Project	: 182 Lakhs
Rate of Return	: 45 %
Break Even Point	: 45 %

### **ALUMINIUM INGOTS FROM USED BEVERAGE CANS**

A beverage can is a metal container designed to hold a fixed portion of liquid such as a carbonated soft drink, alcoholic beverage, fruit juice, herbal tea etc. Beverage cans are made of aluminium (75% of worldwide production) or tin-plated steel (25% worldwide production). Worldwide production for all beverage cans is approximately 52 billion units.

Aluminium recycling is the process by which scrap aluminium can be reused in products after its initial production. The process involves simply re-melting the metal, which is far less expensive and energy intensive than creating new aluminium through the electrolysis of aluminium oxide (Al<sub>2</sub>O<sub>3</sub>), which must first be mined from bauxite ore and then refined using the Bayer process. Recycling scrap aluminium requires only 5% of the energy used to make new aluminium. For this reason, approximately 31% of all aluminium produced in the United States comes from recycled scrap. Used beverage containers are the largest component of processed aluminium scrap, with most UBC scrap manufactured back into aluminium cans. Ingot and billet play an integral part in the production of many aluminium products. Plate, sheet, foil, wire, rod, and bar products are all produced by pressing or rolling ingot and billet.

Ingot and billet are cast from molten aluminium. In the cast house, crucibles of molten aluminium empty their silvery liquid either directly into molds or into a holding furnace where the metal is kept molten at temperatures between 1,200 and 1,500 degrees Fahrenheit. Alloying elements are then added.

Most metal is cast by the direct-chill (DC) process, which produces huge sheet ingot for rolling mills, round log like billet for extrusion presses, or square billet for production of wire, rod, and bar.

#### **ADVANTAGES**

The recycling of aluminium generally produces significant cost savings over the production of new aluminium even when the cost of collection, separation and recycling are taken into account. Over the long term, even larger national savings are made when the reduction in the capital costs associated with landfills, mines and international shipping of raw aluminium are considered.

Aluminium recycling is economically beneficial to both the aluminium and recycling industry. The capital cost for the production of recycled aluminium is already recognized to be far lower than making new aluminium. The financial benefit has also spurred the development of the recycling program.

The price of scrap aluminium has fluctuated in the market but its traditionally high value has generated enough income. Aluminium cans are the poster child of the recycling movement. This is by far the most valuable component in the solid waste stream. The aluminium can is also the most recognized recyclable item among household waste.

The aluminium beverage can is 100 percent recyclable into new beverage cans indefinitely — demonstrating recycling at its finest. Aluminium can recycling helps fund the entire collection system. The aluminium can is the only packaging material that more than covers the cost of collection and re-processing for itself. It also helps subsidize the collection of other recyclable materials.

#### **MARKET SURVEY**

*Continue on page 20*



## BOOKS ON CONSTRUCTION MATERIAL



### The Complete Book on **Construction Materials**

The book provide wide coverage of building materials such as stone, bricks, lime, mortars, concrete, asbestos, gray iron, cast iron, steel castings, aluminium, wood, architectural paints and so many others with their applications in building construction. The book is very useful for all professionals related to construction field, technocrats, students and libraries. ₹1475/-, US\$ 150



### The Complete Technology Book on **Bricks, Cement and Asbestos**

Bricks, cement and asbestos have major role in building and road construction. The present book contains processes of different types of bricks making, cement manufacturing and production of asbestos. The book is very useful for new entrepreneurs, existing units, professionals, institutions related to building construction, research scholars etc. ₹ 1400/-, US\$ 150

## FORMULARY BOOKS



### **SELECTED FORMULARY HANDBOOK**

A man entering an industry soon finds that most of the products manufactured by his company are not synthetic or definite chemical compounds, but are mixtures, blends or highly complex compounds of which he knows little or nothing. The literature in this field, if any, may be meager, scattered or antiquated. The purpose of publishing this book is to provide proper formulations of most consumable products. The book is very useful for chemists, new entrepreneurs, existing units, technocrats and engineering students. ₹1475/- US \$ 150



### Selected Formulary Books on Inks, **Paints, Lacquers, Varnishes and Enamels**

A man entering an industry soon finds that most of the products manufactured by his company are not synthetic or definite chemical compounds, but are mixtures, blends or highly complex compounds of which he knows little or nothing. The literature in these fields, it any, may be meager, scattered or antiquated. The purpose of publishing this book is to provide proper formulations of most consumable products like Inks, Paints, Lacquers, Varnishes and Enamels. The book is very useful for chemists, new entrepreneurs, existing units, technocrats and engineering students. ₹1475/- US \$ 150



### Selected Formulary Books on Cosmetics, Drugs, **Cleaners, Soaps, Detergents Dentirices and Depilatories**

A man entering an industry soon finds that most of the products manufactured by his company are not synthetic or definite chemical compounds, but are mixtures, blends or highly complex compounds of which he knows little or nothing. The literature in these fields, it any, may be meager, scattered or antiquated. The purpose of publishing this book is to provide proper formulations of most consumable products like Inks, Paints, Lacquers, Varnishes and Enamels. The book is very useful for chemists, new entrepreneurs, existing units, technocrats and engineering students. Rs. 1500/- US \$ 150

## BOOKS ON INKS, GUMS & ADHESIVES, PAINTS, SURFACE COATING

### Modern Technology of **Printing & Writing Inks**

The Printing and Writing Ink Industries have grown significantly during the last decade. Particularly printing ink industry is characterised by exceeding high margin profit. Having in view we have published this book which will be mile stone for the entrepreneurs, existing units, libraries etc. The book contains formulae, processes and other related information of various printing and writing inks. ₹750/- US \$ 100



### Modern Technology of **PAINTS VARNISHES & LACQUERS** 2nd Edn.

Surface coating industry is one of the most popular industries. Paints, Varnishes and lacquers industry is gaining ground at a rapid pace in modern time accompanied with closed advance in surface coating technology. The book deals with fundamentals of paints, varnishes and lacquers, pigments, oils used in paints and varnishes, solvents, driers, plasticizers, additives for surface coating, various types of paint manufacturing etc. ₹1075/- US \$ 125

### The Complete Technology Book on **Printing Inks**

The beginning of ink making are something of a mystery. It is certain however, that the development of the art of writing proceeded the invention of ink by almost a thousand years. Prior to the invention of ink the ancients wrote with a pointed metal stylus on tablets of stone and clay. In this book an attempt has been made to bring together the useful manner as possible the fundamental Principles of ink making. The book contains formulae, processes and other relevant information of the manufacturing of different types of printing inks. ₹1000/- US \$ 100



### **Gums, Adhesives & Sealants Technology** With Formulae & Their Applications 2nd Rev. Edn.

Gums, Adhesives and Sealants are accupying by and large, a conspicuous plateau in the modern industrial world by virtue of their versatility in diverse fields of applications. This potentially useful book furnishes technical aspects of various types of gums, adhesives and sealants which are so useful to a new entrepreneurs or established one. The book delineates in detail formulae, processes of various gums, adhesives and sealants along with addresses of machinery and raw material suppliers. ₹1475/- US \$ 150

### Modern Technology of **SURFACE COATING** With Formulae & Their Applications

The development of science and technology revolutionized the surface coating industry in the progressive countries of the world. There has been considerable impact in this field. We have completely replaced costly petroleum solvent with water. So we get cheaper finished products with no evaporation loss and tire hazard. So we can say surface coating industry is now eco-friendly. ₹975/- US \$ 100



### **ADHESIVES FORMULARY HANDBOOK**

Adhesives have so importance and are extensively attached to our infrastructure that we cannot isolate in from our daily needs. From school going children to housewives to jet manufactures to Atomic Explosion, every where adhesives plays a very important role. ₹1275/- US \$ 125

### **Handbook on Speciality Gums, Adhesives, Oils, Rosin & Derivatives, Resins, Oleoresins, Katha, Chemicals with other Natural Products**



The forest in India yields a large number of products, which play an important role in the economy of the country. This book contains processes of forest based products like Gums, Resins, Oleoresins, Essential Oils and other natural products obtained from Indian forests. It gives an insight of richness and vastness of the forestwealth. ₹1275/- US \$ 125

### **Paints, Pigments, Varnishes And Enamels Technology Handbook**



Painting is older than writing. It began twenty thousand years ago when the Stone Age man drew pictures with earth colours on the walls of caves in northern Spain and southern France. Now a days paints play a critical role in preventing corrosion and enhancing aesthetic values in various segments such as architectural household applications, automobiles, industrial equipments, ships, aircrafts etc. The present book covers the various formulae and processes of paints, pigments, varnishes and enamels. ₹1100/- US \$ 125

The worldwide capacity to produce alumina was placed at around 80 mn tonnes in 2007 and was slated to touch 100 mn tonnes in 2010. Alumina accounts for about 22% of the cost in the production of aluminium. India's share in world aluminium market is estimated at around 3%. India ranks fifth in bauxite production after Australia (62 mn tonnes), Guinea (17.50 mn tonnes), Brazil (16.20 mn tonnes) and China (10.75 mn tonnes). With a total output of 9.25 mn tonnes, the country contributes about 6% of the world's total production of 159 mn tonnes, India holds the fifth position in reserves base and is ahead of China with 2300 mn tonnes. India ranked seventh in alumina production with a total output of 3 mn tonnes, a share of nearly 5% of the global production of 61 mn tonnes.

However, internationally, the pattern of consumption is in favour of transportation, primarily due to large-scale aluminium consumption by the aviation industry. White goods account for nearly 5% of aluminium consumption in the country. The products include electric fans, air conditioners, refrigerators and coolers. The white goods industry uses both extruded products and flats. In the transportation sector, aluminium is used for panelling, floors and windows. So far, it is not used for structural parts and bodies of automobiles. An Indian car uses only about 54 kg of aluminium against a global average of 100 to 110 kg. This sets the high potential for growth with the increase in the automobile sector.

Demand for aluminium is estimated to grow at 4 to 6% per annum. The demand for the metal is expected to pick up as the scenario improves for user industries like power, infrastructure and transportation, which are all on the move.

**Cost Estimation**

Capacity	: 1000 Kg /day
Plant & Machinery	: 109 Lakhs
Cost of Project	: 298 Lakhs
Rate of Return	: 24 %
Break Even Point	: 51 %

**BEER, WINE & WHISKEY**

**(FROM PINEAPPLE)**

Beer is the world's most widely consumed alcoholic beverage; it is the third-most popular drink overall, after water and tea. It is thought by some to be the oldest fermented beverage. Beer is produced by the saccharification of starch and fermentation of the resulting sugar. The starch and saccharification enzymes are often derived from malted cereal grains, most commonly malted barley and malted wheat. Unmalted maize and rice are widely used adjuncts to lighten the flavor because of their lower cost. The preparation of beer is called brewing. Most beer is flavoured with hops, which add bitterness and act as a natural preservative, though other flavourings such as herbs or fruit may occasionally be included.

Some of humanity's earliest known writings refer to the production and distribution of beer: the Code of Hammurabi included laws regulating beer and beer parlours, and "The Hymn to Ninkasi", a prayer to the Mesopotamian goddess of beer, served as both a prayer and as a method of remembering the recipe for beer in a culture with few literate people. Today, the brewing industry is a global business, consisting of several dominant multinational companies and many thousands of smaller producers ranging from brewpubs to regional breweries. The strength of beer

is usually around 4% to 6% alcohol by volume (abv) although it may vary between 0.5% (de-alcoholized) and 20%, with some breweries creating examples of 40% abv and above in recent years. Beer forms part of the culture of beer-drinking nations and is associated with social traditions such as beer festivals, as well as a rich pub culture involving activities like pub crawling and pub games such as bar billiards.

**NUTRITIONAL ASPECTS OF BEER**

Beer is a not unimportant component of the diet. The alcohol in beer provides calories and influences the consumption of other nutrients.

The energy value of alcohol is 7 kcal/g. Four 25 cl glasses of lager (around 40 g of alcohol) provide as many calories as 70 g of sugar. Four glasses of a soft drink, coke for example, contain as many calories as 132 g of sugar. This is around twice as much as four glasses of lager. But there is something special about the energy value of alcohol.

**MARKET SURVEY**

Liquor industry has always remained under strict governmental control in terms of capacity creation, distribution, taxation. While overall public perception spells restraint, it is the symbol of high life even in puritan India. The industry poses a dilemma to the state. It cannot resist the temptation of large revenues, while steering clear of the embarrassment of giving encouragement to drinking. A positive feature of allowing the industry to grow and operate is the prevention of illicit production and drinking.

Of the over Rs 280 bn liquor industry (excluding beer) selling around 450 mn cases annually, a large peg of which (67%) is whisky, followed by brandy and gin at 13%, rum at 17% while the white spirits account for 3% of the market share. Of this, the Indian-made foreign liquor (IMFL) accounts for Rs 78 bn (86 mn cases) with whisky alone constituting 95%. Besides, there is a large 223 mn case market of low-priced country liquor. Indian spirit market also consumes branded country liquor worth Rs 125 bn and unbranded country liquor worth Rs 50 bn.

A feather in India's alcoholic drinks industry is that India's McDowell's No.1 brandy has emerged as the highest selling brandy globally, pushing the world famous E&J Gallo to the second spot. Other global majors at the top included Presidente brandy (Allied Domecq), Wilyhever Goldkron (Graflich von Hardenberg'sche Kornbrennerei) and Chantre (Eckes) occupying the next three spots among the top five.

India has quietly emerged as the largest international whisky market, topping the US by volume. Industry data indicate that Indian whiskies, non-matured alcohols mostly made from molasses, and hence not considered whisky by the Scotch Whisky Association (SWA), reported sales of about 60 mn cases (9-litre each). In comparison, the US recorded combined sales of Bourbon, American and Scotch whiskies at 48-50 mn cases, putting it one notch below India. Indian whiskies account for 98% of domestic whisky consumption, registering over 10% growth annually, which makes it one among the fastest growing whisky markets anywhere in the world.

**Cost Estimation**

Capacity	: 92307 Beer Bottles/ day
	5333 Wine Bottles/ day
	5333 Whisky Bottles/ day
Plant & Machinery	: 2855 Lakhs
Cost of Project	: 5684 Lakhs
Rate of Return	: 34 %
Break Even Point	: 33 %

*Continue on page 32*



AN ISO 9001 : 2008 CERTIFIED COMPANY



# MARKET SURVEY CUM DETAILED TECHNO ECONOMIC FEASIBILITY REPORTS

## 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.**

### ABRASIVE, ASBESTOS, CEMENT, REFRACTORY PRODUCTS

- ◆ Abrasive (Carborandom) Cloth (Emery Cloth)
- ◆ Abrasive and Flint Paper
- ◆ Abrasive Cake for Floor Polishing
- ◆ Abrasive Cake for Granite & Marble Polishing
- ◆ Abrasive Emery
- ◆ Abrasive Emery Cloth Paper
- ◆ Abrasive Grinding Wheel
- ◆ Abrasive Sand Paper
- ◆ Abrasive Cake (Cement Based)
- ◆ Admixture for Concrete
- ◆ Asbestos Cement Corrugated Sheet
- ◆ Automatic Brick Plant
- ◆ Bentonite
- ◆ Bonded Abrasives
- ◆ Bricks from Stone Dust
- ◆ Bricks from Fly Ash
- ◆ Bricks from Sandy Clay
- ◆ Bricks from Fly Ash (Triboelectric Beneficiation Process)
- ◆ Bricks from Fume Dust (Used In Construction)
- ◆ Cement (Clinker)
- ◆ Cement from Fly Ash & Lime
- ◆ Cement from Rice Husk
- ◆ Cement Grinding Unit
- ◆ Cement Plant
- ◆ Cement Plant (Large, Medium & Small Scale Unit)
- ◆ Cement from Lime Stone
- ◆ Cement Plant
- ◆ Cement Roofing Tiles
- ◆ Cement Tiles (Laying Over RCC Roof)
- ◆ Clay and Sand Bricks Plant (Light Wt.)
- ◆ Computerized Hot Mix Concrete

- ◆ Plant
- ◆ Emery Stone for Atta Chakki
- ◆ Emery Stone for Floor Polishing
- ◆ Ferro Cement Plant
- ◆ Fire Bricks
- ◆ Foundry Sand (Non Ferrous Metal)
- ◆ Glass Marbles
- ◆ Granite & Marble Chips
- ◆ Granite & Marble Polishing Stone
- ◆ Granite (Marble) Polishing Batti
- ◆ Granite (Marble) Polishing Unit
- ◆ Granite Monuments
- ◆ Granite Tiles and Slab
- ◆ Graphite Carbon Plate
- ◆ Graphite Crucibles
- ◆ Graphite Electrode for Arc Furnace
- ◆ Grinding Wheel Making Plant
- ◆ Gypsum Plaster Board
- ◆ Hollow Concrete Block
- ◆ Lime Bonded Fly Ash Bricks
- ◆ Magnesite Bond Polishing Brick, Resin Bond Polishing Brick & Resin Bond Final Polishing for Marble & Granite
- ◆ Marble from Marble Mining
- ◆ Marble-Granite Cutting & Polishing Unit
- ◆ Mini Cement Plant
- ◆ Mini Cement Plant (Slag Cement)
- ◆ P.V.C. Conduit Pipe
- ◆ Particle Board from Saw Dust
- ◆ PCC/RCC Pipes
- ◆ Plaster of Paris (P.O.P.)
- ◆ Plaster of Paris Bandages
- ◆ Plaster of Paris Board from Process of H-Acid Gypsum
- ◆ Prestressed Concrete Sleepers
- ◆ Process Food & Spices
- ◆ Ramming Mass and Fire Bricks

- ◆ from Magnesite
- ◆ 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
- ◆ Treated Cloth for Abrasive
- ◆ White Cement
- ◆ BAKERY, FOOD & ALLIED INDUSTRIES
- ◆ Animal Feed Using DateP i t s , Discarded Dates & Other Ingredients
- ◆ Apple Chips
- ◆ Asafoetida
- ◆ Atta Chakki
- ◆ Automatic Biscuit Making Plant
- ◆ Automatic Bread & Biscuit Plant
- ◆ Automatic Bread Plant
- ◆ Automatic Papad Plant
- ◆ Automatic Toffee & Candy
- ◆ Automatic Chapati Making Plant
- ◆ Alcohol from Potatoes
- ◆ Alcohol from Rice (Grains)
- ◆ Apple Juice Concentrate & Dehydrated Fruits & Vegetables
- ◆ Aquaculture Prawn Farming (100% EOU)
- ◆ Aquaculture Shrimp Farming
- ◆ Atta, Maida, Suji & Wheat Mill)
- ◆ Automatic Bread & Biscuit Unit (Modern Bakery) Plant
- ◆ Baker's Yeast
- ◆ Bakery Unit (Pastries, Bread, Buns, Cake, Toffee)
- ◆ Besan Plant
- ◆ Bottling Plant Country Liquor from Rectified Spirit
- ◆ Baby Cereal Food
- ◆ Baby Health Care Food & Milk

- ◆ Bakery Industries
- ◆ Baking Powder
- ◆ Banana & Its By Products
- ◆ Banana Powder
- ◆ Banana Puree
- ◆ Banana Wafers
- ◆ Basmati Rice Trading
- ◆ Beer & Wine
- ◆ Beer Industry
- ◆ Biscuits Making Plant
- ◆ Bottling Plant (Alcoholic & Non Alcoholic)
- ◆ Bottling Plant (I.M.F.L.)
- ◆ Bottling Plant (Country Liquor)
- ◆ Bread Plant (Semi-Automatic)
- ◆ Buffalo Meat Processing
- ◆ Cake Gel (Cake Improver)
- ◆ Candy Hard Boiled
- ◆ Canned Foods - Chopped Tomatoes, Cheeked Beans, Mushrooms
- ◆ Canned Juice - Carrot, Bottle Gourd/Long Melon (Lauki Ka Juice) In Tetra Pack
- ◆ Canning of Alcoholic and Non Alcoholic Beverages
- ◆ Caramel Colour from Sugar
- ◆ Canned Vegetables
- ◆ Canning and Preservation of Fruits & Vegetables
- ◆ Casein from Milk
- ◆ Cashew Fruits Juice from Cashew Apples
- ◆ Cashew Nut Kernel Extraction from Cashew Nut Fruits
- ◆ Cashew Apple Syrup Cum Orange / Lemon Squash.
- ◆ Cashew Feni
- ◆ Cashew Nut (Dried & Fried)
- ◆ Cashew Nut Shell Liquid & Kernel
- ◆ Cattle & Poultry Feed (Mix Feed)
- ◆ Cattle Feed with Molasses

## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Cattle Feed
- ◆ Cattle Feed from Molasses & Bagasse
- ◆ Cattle Feed from Tapioca
- ◆ Cheese Analogues
- ◆ Chewing Gum & Bubble Gum
- ◆ Chewing Tobacco (Raja Type)
- ◆ Chewing Tobacco (Khaine) in Pouch Pack
- ◆ Chicken Meat Processing & Packaging
- ◆ Chilli Oil
- ◆ Chilli Powder
- ◆ Chilli Sauce
- ◆ Chocolate
- ◆ Chocolate & Confectionery
- ◆ Chocolate Drink
- ◆ Chocolate Drink (Liquid Form)
- ◆ Chocolate Drink (Powder form)
- ◆ Chocos (Ready to Eat Breakfast Cereal)
- ◆ Cocoa Beverages in Granules Form (Health Drink)
- ◆ Cocoa Butter and Cocoa Powder
- ◆ Coconut and Cashew Feni
- ◆ Coconut Oil from Copra
- ◆ Coconut Oil in Containers (Filtration & Airtight Packaging)
- ◆ Coconut Powder
- ◆ Coconut Processing Complex Unit
- ◆ Coconut Squash Jam & Cream
- ◆ Coconut Water
- ◆ Coffee Processing & Packaging
- ◆ Cold Drink
- ◆ Confectionery Products (Toffee & Candy)
- ◆ Corn Flaks
- ◆ Corn Oil (Maize Oil)
- ◆ Country Liquor
- ◆ Curcumin
- ◆ Curry Powder
- ◆ Custard Powder
- ◆ Caramel (Acid Proof/Spirit Proof)
- ◆ Cardamom Oil
- ◆ Cheewing Ginger and Amlaki
- ◆ Chocolate
- ◆ Chocolate Drinks
- ◆ Cocoa Beverages (Health Drink) in Granules Form
- ◆ Coconut Shell Powder
- ◆ Corn Oil
- ◆ Cotton Seed Oil
- ◆ Curry Powder/Spices
- ◆ Dairy Products & Milk Packaging in Pouches (Ghee, Casein, Butter)
- ◆ Dall Mill
- ◆ Dehydration & Canning of Fruits & Vegetables
- ◆ Dextrose Powder (Monohydrate) from Starch
- ◆ Dairy Products
- ◆ Dall/Pulse Mill
- ◆ Deep Freezing of Vegetables Like Pea, Tomato, Potato
- ◆ Dehydrated Garlic Flakes & Granulated Powder
- ◆ Dehydrated Onion & Onion Powder
- ◆ Dehydrated Vegetables
- ◆ Dehydration & Canning of Fruit & Vegetables
- ◆ Dehydration & Pickling of Oyster Paddy Straw Mushroom
- ◆ Dehydration of Fruit & Vegetable (Osmo Dehydration Process)
- ◆ Dehydration of Fruit & Vegetable Juice
- ◆ Dehydration of Fruits & Vegetables
- ◆ Dehydration of Grapes
- ◆ Dehydration of Lime Fruit
- ◆ Dehydration of Vegetables & Tropical Fruit / Drying Crystallization
- ◆ Diabetic Food (Atta)
- ◆ Dog Food
- ◆ Drum Stick Powder
- ◆ Dry Ginger from Green Ginger
- ◆ Drying of Red Chillies
- ◆ Drying of Tropical Fruits
- ◆ Edible Corn Oil
- ◆ Edible Vegetable Oil Start from Grind Raw Material to Fine Filtered
- ◆ Edible Refined Oil
- ◆ Edible Plasticizer for Ragi Papad
- ◆ Edible Vegetable Oil
- ◆ Egg Powder
- ◆ Fish Canning in Tins & Pouches (100% EOU)
- ◆ Food Processing (Cassava Flour, Starch, Gari, Cuscus)
- ◆ Fried & Roasted Groundnut, Gram, Pea
- ◆ Fish & Poultry Feed
- ◆ Fish Canning in Tin (Pouching)
- ◆ Fish Dehydration
- ◆ Fish Meal
- ◆ Fish Processing
- ◆ Flour Mill (Atta & Besan)
- ◆ Food Colour (Coal Tar Based)
- ◆ Food Colour (Natural & Synthetic)
- ◆ Freezing of Fresh Vegetable for Export
- ◆ French Fries & Allied Potato Products
- ◆ Fresh Processed Frozen Vegetable Puree & Sauce 100% EOU
- ◆ Frozen Food (Fruits & Vegetables)
- ◆ Fruit Concentrates (Rasna Type)
- ◆ Fruit Drink in Tetra Pack
- ◆ Fruit Juice & Allied Products
- ◆ Fruit Juice (Mango) in Tetrapack
- ◆ Fruit Juice Bottling Plant
- ◆ Fruit Juice in Plastic Cups
- ◆ Fruit Juice in Tetrapack
- ◆ Fruit Juice Manufacturing
- ◆ Fruit Juice Powder
- ◆ Fruit Juice, Jam, Jellies and Allied Products
- ◆ Fruit Processing
- ◆ Fruit Pulp & Juices
- ◆ Fruit Pulp & Squashes
- ◆ Garlic Flakes
- ◆ Ginger Processing Plant
- ◆ Grape Wine
- ◆ Green Peas Processing and Canning
- ◆ Garlic Oil
- ◆ Garlic Paste
- ◆ Garlic Powder
- ◆ Ginger & Garlic Composite Plant
- ◆ Ginger Glazing & Preservation
- ◆ Ginger Oil
- ◆ Ginger Oil (Super Critical Co<sub>2</sub> Process)
- ◆ Ginger Paste in Pouch/Black Container
- ◆ Ginger Powder
- ◆ Ginger Processing (Peeling, Drying, Grinding & Blending)
- ◆ Gluten
- ◆ Gram Dall & Flour Mill with Modern Automatic Plant
- ◆ Gram Dall and Flour Mill
- ◆ Gur from Cane (Export Quality)
- ◆ Hard Sugar Candy
- ◆ Health Drink (Cocoa Beverages in Granules Form)
- ◆ Hing (Asafoetida)
- ◆ Honey Processing & Packaging
- ◆ Honey Roasted Peanut
- ◆ Indian Made Foreign Liquors
- ◆ Ice Cream Manufacturing
- ◆ Ice Cream of Different Flavours
- ◆ Ice Cube Plant
- ◆ Ice Making Plant
- ◆ Imported Palm Oil Processing
- ◆ Instant Coffee
- ◆ Instant Foods (Idli Mix, Vada Mix, Gulabjamun Mix, Sambar Mix)
- ◆ Instant Noodles
- ◆ Instant Tea
- ◆ Instant Tea & Coffee (Premixed with Sugar & Milk)
- ◆ Invert Sugar
- ◆ Iodised Salt Free Flowing From Sea Water
- ◆ Iodized Salt (Ordinary & Moistureless free Flowing)
- ◆ Iodized Salt free Flowing
- ◆ Isolation of Citral & Ionones from Lemon Grass Oil
- ◆ Jam Jelly (Chutny, Pickles & Squash)
- ◆ Karela Powder (Bitter Guard Powder)
- ◆ Katha
- ◆ Katha and Cutch
- ◆ Khaine (Chewing Tobacco)
- ◆ Khandsari Sugar
- ◆ Lactin (Soya Based)
- ◆ Liquid Glucose from Broken Rice
- ◆ Liquid Glucose from Maize & Maize Oil
- ◆ Liquid Glucose from Potato
- ◆ Litchi Juice
- ◆ Locally Made Foreign Liquor
- ◆ Maize & Its by Products
- ◆ Maize Processing for Glucose
- ◆ Maize Products (Starch, Oxidized Starch, Liquid Glucose & Dextrose)
- ◆ Maize Oil
- ◆ Margarine Fat
- ◆ Mayonnaise
- ◆ Menthol Crystals (EOU)
- ◆ Milk Products
- ◆ Milk Toffee Manufacturing
- ◆ Modern Rice Mill
- ◆ Mushroom Growing & Processing with Air Conditioning
- ◆ Macaroni Manufacturing
- ◆ Macaroni, Spaghetti Vermicelli & Noodles
- ◆ Makhana Processing Unit
- ◆ Malt from Barley
- ◆ Malting Plant
- ◆ Mango Fruit Bar
- ◆ Mango Juice
- ◆ Mango Papad (Aam Papad)
- ◆ Mango Pickles
- ◆ Mango Powder
- ◆ Mango Processing
- ◆ Mango Pulp
- ◆ Mango Pulp & Slices
- ◆ Mango Pulp Processing & Canning
- ◆ Manufacturing of Roasted Salted Cashew Kernel from Cashew Nut
- ◆ Masaia (Spices) [EOU]
- ◆ Menthol Crystal from Menthol Oil
- ◆ Milk Chilling & Packaging Plant
- ◆ Milk Paneer
- ◆ Milk Plant with Pouch Packing
- ◆ Milk Powder and Ghee
- ◆ Milk Powder, Pasteurised Milk, Butter, Cheese & Ghee
- ◆ Milk Product Butter, Ghee, Ice Cream
- ◆ Milk Product Cheese
- ◆ Mineral Water Bottling Plant
- ◆ Mineral Water in Pouches
- ◆ Mini Flour Mill (Disk Type)
- ◆ Mini Sugar Plant
- ◆ Modern Basmati Rice
- ◆ Modern Bread & Bakery Unit (Bread, Buns, Rush)
- ◆ Modern Bread & Buns (Bakery Unit)
- ◆ Modern Chilly Powder
- ◆ Modified Starch
- ◆ Mushroom Processing and Canning
- ◆ Mustard Oil Mill
- ◆ Namkeen (Dalmoth, Bhujia, Chanachoor)
- ◆ Non-Dairy Whipping Cream
- ◆ Oleoresin of Spices
- ◆ Oleoresin from Chilly
- ◆ Onion Storage
- ◆ Onion & Potato Powder
- ◆ Onion Powder
- ◆ Organic Food
- ◆ Pan Masala in Pouch and Tin
- ◆ Pack, Sada, Meetha, Zarda & Kimm
- ◆ Pan Masala, Gutka, Sweet Supari, Chewing Tobacco & Khaine
- ◆ Pan Masala & Gutka
- ◆ Pan Masala in Pouch & Tin Pack Sada, Meetha, Zarda
- ◆ Pan Masala in Pouch Pack
- ◆ Pan Masala, Gutka & Pouch Making Plant
- ◆ Papad Plant (Automatic)
- ◆ Pectin from Apple Pomace
- ◆ Paneer from Soya Milk
- ◆ Papad & Bari
- ◆ Papad Plant (Imported/Automatic)
- ◆ Parboiled Rice Mill
- ◆ Pasteurised Milk & Cheese Mfg. Unit
- ◆ Pasteurised Milk Packing
- ◆ Packaged Drinking Water
- ◆ Palm Oil Processing (Imported)
- ◆ Peanut Butter
- ◆ Pectin from Mango Peel
- ◆ Pickles (Vegetarian & Non Vegetarian)
- ◆ Pickles Murabbas (Veg. & Non Veg.)
- ◆ Pickles, Murabbas, Sauces & Squashes
- ◆ Pig Meat Processing (800 Pkg/Day)
- ◆ Piggery Meat Processing
- ◆ Piggery / Meat / Chicken Processing
- ◆ Pine Apple Slice Canning
- ◆ Pineapple Juice Manufacturing & Canning
- ◆ Pickles
- ◆ Poha (Chiwra)
- ◆ Pork Products
- ◆ Pork Processing & Pig Farming
- ◆ Potato and Onion Flakes
- ◆ Potato Chips
- ◆ Potato Chips & Its By-Products
- ◆ Potato Chips (Imported M/C.)
- ◆ Potato Granules
- ◆ Potato Powder (Automatic)
- ◆ Potato Powder, Flakes & Pellets
- ◆ Potato Starch
- ◆ Potato Wafers (Imported Plant)
- ◆ Potato Chips in Different Flavours
- ◆ Potato Chips/Waffers
- ◆ Poultry and Broiler Farming
- ◆ Poultry Feed
- ◆ Poultry Processing (Processed Meat)
- ◆ Potato Powder (In Low Investment)
- ◆ Processed Food & Spices
- ◆ Processed Fruits and Vegetables
- ◆ Processing & Packing of Snack Food
- ◆ Processing of Food Grain/Pulse and Retail Packaging
- ◆ Production of Date Syrup, Date Paste, Date Jam & Date Food
- ◆ Ragi Biscuits
- ◆ Refined Oil (Cotton Seed, Ground Nut, Sunflower)
- ◆ Rice Polishing & Packaging in Pouches
- ◆ Refining of Edible Oil
- ◆ Rice & Corn Flakes
- ◆ Rice Noodles
- ◆ Roasted/Salted/Masala Cashew nuts, Almonds & Snack Food (Roll & Ball Type)
- ◆ Rice Flakes (Poha)
- ◆ Roasted & Fried Dry Fruits, Grain, Grams, Peas Etc. (In Pouch)
- ◆ Roasted / Salted / Coated Cashewnut, Peanuts, Almonds
- ◆ Roller Flour Mill (Maida & Suzi)
- ◆ Roller Flour Mill (Mini Flour Mill)
- ◆ Sacharine (Both Soluble & Insoluble)
- ◆ Salted Cashewnut Processing
- ◆ Sattu Manufacturing
- ◆ Semi Automatic Plant for Toffee
- ◆ Shiitake Mushroom
- ◆ Silver Coated Sugar Balls

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

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AN ISO 9001:2008 CERTIFIED COMPANY

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Skimmed Milk Powder
  - ◆ Slaughter House
  - ◆ Snack Food (Crax Type) Roll & Ball Type
  - ◆ Soft Drink (Carbonated)
  - ◆ Soft Drink (Cola, Orange, Lemon, Mango, Pulp, Ginger, Clear Lemon, 7up Type)
  - ◆ Soft Drink Concentrate
  - ◆ Softy Ice Cream Cones (Automatic/ Imported Plant)
  - ◆ Soumf Supari (Elaichi Flavour)
  - ◆ Soya Bean Milk from Soya
  - ◆ Soya Products
  - ◆ Soyabean Baryian (Automatic)
  - ◆ Soyabean Meat
  - ◆ Soyabean Oil from Soyabean Seed & Cattle Feed
  - ◆ Soyabean Product (Soyabean Oil, Soya Paneer, Soya Extract)
  - ◆ Soda Water Bottling Plant
  - ◆ Softy Ice Cream
  - ◆ Spices
  - ◆ Spice & Allied Products
  - ◆ Spice Oleoresin (Chilly Oil) by Super Critical Process
  - ◆ Spice Oleoresin (Ginger)
  - ◆ Spices (Eou)
  - ◆ Spices (Garlic Base Spices with Packing in Bags)
  - ◆ Starch & Allied Product from Maize
  - ◆ Starch (A & B)
  - ◆ Starch from Maize
  - ◆ Starch from Tapioca
  - ◆ Sugar Coated Cashew Nuts, Almonds, Peas
  - ◆ Supari (Sweet) (Betel Nut)
  - ◆ Sugar Candy (Bombay Mishri Type)
  - ◆ Sugar Candy (Mishri)
  - ◆ Sugar Candy (Pearl Type)
  - ◆ Sugar Cane Juice Preservation
  - ◆ Sugar Cubes
  - ◆ Sugar Pellets
  - ◆ Sugar Plant
  - ◆ Sun Flower Seed Oil
  - ◆ Sweet Scented Supari
  - ◆ Tamarind Pulp
  - ◆ Tamarind Juice Concentrates
  - ◆ Tamarind Juice Powder
  - ◆ Tamarind Kernel Powder
  - ◆ Tamarind Pulp from Tamarind
  - ◆ Tea Packaging Unit
  - ◆ Tea Plantation & Processing
  - ◆ Tea Bag
  - ◆ Tea Bag (Dip-Dip Type) Tea Processing
  - ◆ Tea Packaging Industries
  - ◆ Tea Plantation & Processing
  - ◆ Tea Processing & Packaging
  - ◆ Tejpatta Oil from Tejpatta
  - ◆ Tomato Processing Unit
  - ◆ Tomato Pulp
  - ◆ Tomato Paste (Tomato Concentrate)
  - ◆ Tomato Powder
  - ◆ Tomato Product in Pouch (Sauce, Ketchup)
  - ◆ Tomato Product Manufacturing
  - ◆ Trading Business (Rice, Salt, Dry Fruits)
  - ◆ Turmeric Powder
  - ◆ Tuty Fruity from Papaya
  - ◆ Upgrading of Salt
  - ◆ Vinegar
  - ◆ Vanaspati Ghee (Hydrogenated Vegetable Oil)
  - ◆ Vegetable Margarine Plant
  - ◆ Vegetable Oil (Refined)
  - ◆ Vermicelli
  - ◆ Virgin Coconut Oil
  - ◆ Vitamins & Minerals Enriched Various Designed Corn Flakes
  - ◆ Vodka from Potatoes
  - ◆ Wheat Puff
  - ◆ White Oat Processing
  - ◆ Wine, Brandy, Whisky & Champagne
  - ◆ Yeast from Molasses
  - ◆ Yogurt in Plastic Cups
  - ◆ Zarda, Kimam, Tobacco
  - ◆ Zarda, Kimam No-60, 120, 160, 240, 300 & 400
  - ◆ Zarda of Various Grades
  - ◆ Zarda-Zafrani Baba Chaap
- AGROBASED**
- ◆ Alcohol from Potato
  - ◆ Alcohol from Rice Straw
  - ◆ Aloevera Juice, Gel and Powder
  - ◆ Aquaculture Fish (Bream) Farming
  - ◆ Aquaculture Fish Farming
  - ◆ Aquaculture Prawn Farming Equipped with Cold Storage
  - ◆ Aquaculture/ Shrimp Farming
  - ◆ Arecanut (Betel Nut) Processing Unit
  - ◆ Asparagus Cultivation & Processing
  - ◆ Atta Chakki Plant
  - ◆ Banana & Its By Products
  - ◆ Banana Powder
  - ◆ Bee Keeping, Honey Processing and Packaging
  - ◆ Bio-Coal Briquettes from Agricultural Cellulosic Waste
  - ◆ Broom Stick Processing Unit
  - ◆ Button Mushroom Cultivation, Processing & Canning
  - ◆ Canning of Mango Pulp & Mango Slices
  - ◆ Cashew Nut Kernal Extraction from Cashew Nut Fruits
  - ◆ Cashew Nut Shell Liquid & Kernel Processing
  - ◆ Cashew Nut Shell Liquid (CNSL)
  - ◆ Cashewnuts (Dried and Fried)
  - ◆ Cattle and Poultry Feed
  - ◆ Cattle Breeding
  - ◆ Cattle Breeding & Dairy Farm to Produce Milk
  - ◆ Cattle Farm
  - ◆ Cement from Rice Husk
  - ◆ Charcoal from Bagasse
  - ◆ Charcoal from Coconut Shell
  - ◆ Chicken Meat Processing & Packaging
  - ◆ Chilly Powder
  - ◆ Coconut & Cashew Feni
  - ◆ Coconut & Its Products
  - ◆ Coconut Fibre
  - ◆ Coconut Oil from Copra
  - ◆ Coconut Processing Unit (Complex)
  - ◆ Coconut Shell Powder
  - ◆ Coconut Squash Jam & Cream
  - ◆ Coconut Water
  - ◆ Coffee Processing & Packaging
  - ◆ Coir Handicraft
  - ◆ Coir Pith Products (Briquettes, Artificial Door & Manure)
  - ◆ Coir Industry
  - ◆ Coir Pith
  - ◆ Curry Powder
  - ◆ Cut Flower Rose (Floriculture)
  - ◆ Dairy Agro (Cow, Goat, Broiler) Farming
  - ◆ Dairy Farm to Produce Milk
  - ◆ Dairy Farm to Produce Milk in Poly Pack
  - ◆ Dairy Farming & Dairy Products
  - ◆ Dairy Farming & Milk Packaging
  - ◆ Dairy Farming to Produce Milk for Co-Operative Society
  - ◆ Dairy Unit with Water Treatment Plant, Cold, Storage with Total Air Conditioning Plant
  - ◆ Dairy Products
  - ◆ Dal Mill
  - ◆ De-Carbonised (Smokeless Coke / Soft Coke)
  - ◆ Dehulling of Sesam Seeds
  - ◆ Dehydrated Garlic Flakes and Granulated Powder
  - ◆ Dehydrated Onion & Onion Powder
  - ◆ Dehydration & Canning of Fruits and Vegetables
  - ◆ Dehydration of Vegetable &
  - ◆ Tropical Fruits
  - ◆ Desiccated Coconut Powder from Coconuts
  - ◆ Dry Ginger from Green Ginger
  - ◆ Drying of Tropical Fruits
  - ◆ Extraction of Soyabean Oil from Oil Seeds & Cattle Feed (Expander Extrusion Cooking Process)
  - ◆ Fish Farming
  - ◆ Fish Farming (Prawn & Others) & Marine Products
  - ◆ Fruit Juice in Plastic Cups
  - ◆ Fruit Juice Powder
  - ◆ Fruit Juice, Jam and Allied Products
  - ◆ Fruit Juices Making and Packing in Plastic Containers (Pouches)
  - ◆ Fruit Pulp and Juice Concentrate
  - ◆ Fuel Briquettes from Agro Waste
  - ◆ Garlic Powder
  - ◆ Ginger & Garlic Composite Plant (Flake and Powder)
  - ◆ Ginger Oil
  - ◆ Ginger Powder
  - ◆ Ginger Processing (Peeling Drying, Grinding, Bleaching)
  - ◆ Goat and Sheep Farming
  - ◆ Goat Farming
  - ◆ Gram Dall & Flour Mill with Modern Automatic Plant
  - ◆ Gram Dall and Flour Mill
  - ◆ Green House (Micro Plant Propagation)
  - ◆ Hard Board from Rice Husk
  - ◆ Hard Board from Bagasse
  - ◆ Hard Board from Saw Dust
  - ◆ Honey Processing & Packaging
  - ◆ Hybrid Seed Production, Bio-Technology & Export Dedicated Floriculture with Green House Cultivation
  - ◆ Instant Tea
  - ◆ Integrated Sericulture
  - ◆ Invert Sugar
  - ◆ Katha and Cutch
  - ◆ Liquid Glucose from Maize & Maize Oil
  - ◆ Liquid Glucose from Potatoes
  - ◆ Maize Processing for Glucose
  - ◆ Maize Wet Milling Process
  - ◆ Mango Juice
  - ◆ Mango Powder
  - ◆ Mango Pulp
  - ◆ Medicinal / Herbal Plants Cultivation
  - ◆ Milk Chilling & Packing Plant
  - ◆ Mini Sugar Plant
  - ◆ Modern Rice Mill
  - ◆ Mushroom Growing and Processing (By Deep Freezing Method)
  - ◆ Mustard Oil
  - ◆ Neem Oil from Seeds
  - ◆ Newsprint Paper from Rice Straw & Bagasse
  - ◆ Nursery Farms
  - ◆ Nursery for Producing Tree-Sapling
  - ◆ Onion & Potato Powder
  - ◆ Onion Storage
  - ◆ Paneer from Soyamilk
  - ◆ Papad & Bariya
  - ◆ Paper from Rice Husk & Wheat Husk
  - ◆ Parboiled Rice Mill
  - ◆ Partical Board from Bagasse
  - ◆ Particle Board from Cotton Stem
  - ◆ Particle Board from Rick Husk
  - ◆ Particle Board from Saw Dust
  - ◆ Pectin from Apple Pomace
  - ◆ Pectin from Citrus, Lemon & Oranges
  - ◆ Pectin from Mango Peel
  - ◆ Pig Farming
  - ◆ Pig Farming with Pork Processing
  - ◆ Pig Meat Processing (800 Pig/ Day)
  - ◆ Pineapple Juice Manufacturing &
  - ◆ Canning
  - ◆ Poha (Chiwra)
  - ◆ Potato Chips
  - ◆ Potato Powder
  - ◆ Poultry & Poultry Farm with Hatchery
  - ◆ Poultry and Broiler Farming
  - ◆ Poultry Farm (Cap: 100000 Birds/ Annum)
  - ◆ Poultry Feed
  - ◆ Poultry Processing Plant
  - ◆ Poultry Project
  - ◆ A. Broiler Farm,
  - ◆ B. Broiler Processing, &
  - ◆ C. Feed Mill
  - ◆ Processed Fruits & Vegetables
  - ◆ Pulp from Wood, Bamboo and Grass
  - ◆ Rabbit Farming
  - ◆ Refined Oil (Cotton Seed Oil, Groundnut Oil and Sun Flower Oil)
  - ◆ Sandal Wood Oils & Powder
  - ◆ Seed Grading/Processing
  - ◆ Soft Board & Hard Board from Coir Dust
  - ◆ Solvent Extraction Plant (Oil Cake Based)
  - ◆ Soyabean Products
  - ◆ Spices
  - ◆ Sponge Gourd Processing Unit
  - ◆ Starch & Allied Products from Maize
  - ◆ Sugar Pallets
  - ◆ Sugar Plant
  - ◆ Sugarcane Juice Preservation
  - ◆ Sun Flower Oil
  - ◆ Tamarind Juice Concentrate
  - ◆ Tamarind Juice Powder
  - ◆ Tamarind Kerenel Powder
  - ◆ Tamarind Pulp
  - ◆ Tamarind Seed Decorticating & Powder Starch Making
  - ◆ Tea Packaging Industry
  - ◆ Tea Processing & Packaging
  - ◆ Tissue Culture (100% EOU)
  - ◆ Tobacco Creamy Snuff
  - ◆ Tomato Paste
  - ◆ Tomato Products (Tomato Juice, Tomato Puree, Tomato Ketchup)
  - ◆ Trading Business (Rice, Salt, Dry Fruits, Etc.)
  - ◆ Turmeric Powder
  - ◆ Vanaspati Ghee
  - ◆ Wheat Germ Oil
- BIO CHEMICALS & BIOTECHNOLOGY PRODUCTS**
- ◆ Absolute Alcohol (Ethanol)
  - ◆ Absolute Alcohol from Molasses
  - ◆ Acetic Acid from Molasses
  - ◆ Acetic Acid from Natural Gas
  - ◆ Alcohol from Potatoes
  - ◆ Aqua Culture Shrimp Farming
  - ◆ Aquaculture Fish
  - ◆ Aquaculture Prawn Farming
  - ◆ Bio Fertilizer
  - ◆ Bio Fertilizer from Cotton Seed Cake
  - ◆ Bio-Fertilizer (Organic Fertilizers) from Garbage
  - ◆ Bio-Fertilizer (Organic Manure)
  - ◆ Bio-Fertilizer from Birds Excreta
  - ◆ Bio-Fertilizers from Cow dung & Other Wastes
  - ◆ Bio-Diesel from Cooking Oil
  - ◆ Biogas Power Plant
  - ◆ Bio Gas Power Plant from Cowdung
  - ◆ Bio Gas Production (Manual)
  - ◆ Biomass Briquettes from Bio Waste
  - ◆ Biopesticide-Trichoderma, Pseudomonas, Fluorescens & Beauveria Bassiana
  - ◆ Bio-Stimulant and Fertilizer Supplement
  - ◆ Citric Acid from Molasses
  - ◆ Compressed Bio Gas
  - ◆ Compressed Yeast from Molasses

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Cut Flower Rose [Floriculture]
  - ◆ Dehydration and Pickling of Oyster Paddy Straw Mushroom
  - ◆ Enzymes
  - ◆ Ephedrine Hydrochloride
  - ◆ Ethanol as Bio-Fuels
  - ◆ Ethyl Alcohol from Molasses
  - ◆ Floriculture
  - ◆ Floriculture with Green House (Cut Flower Rose)
  - ◆ Herbal Extracts
  - ◆ Hybrid Seed Production
  - ◆ Hybrid Seeds
  - ◆ Industrial Enzymes
  - ◆ Insecticides from Neem Seeds
  - ◆ Neemoil & Leaves
  - ◆ 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 Canning
  - ◆ Organic Fertilizer
  - ◆ Organic Foods
  - ◆ Organic Manure from Municipal Solid Wastes
  - ◆ Papain Manufacturing
  - ◆ Prawn Fish Farming
  - ◆ Tissue Cultures (100% EOU)
  - ◆ Vermi - Compost
  - ◆ Vermiculture
  - ◆ Vermiculture Chemical Industries
  - ◆ Yeast
- COCONUT**
- ◆ Activated Carbon from Coconut Shell
  - ◆ Coconut Fiber Unit
  - ◆ Coconut Oil
  - ◆ Coconut Plantation
  - ◆ Coconut Shell Powder
  - ◆ Coconut Squash Jam & Cream
  - ◆ Coconut Water
  - ◆ Coir Pith Products
  - ◆ Integrated Coconut Processing
  - ◆ Rubberised Coir
- CHEMICALS & ALLIED INDUSTRIES**
- ◆ 16 DPA (16-Dehydro Pregneolone Acetate)
  - ◆ 1-Acetonaphthone
  - ◆ 2,4, Dichloro-Phenoxy Acetic Acid
  - ◆ 2-Chloroethyl Phosphate Acid 39% Emulsifying Concentrate
  - ◆ 4,4, Diamino Stilbene 2-2- Disulphonic Acid
  - ◆ Absolute Alcohol (Ethanol)
  - ◆ Absolute Alcohol
  - ◆ Acetic Acid
  - ◆ Acetic Acid (Glacial)
  - ◆ Acetic Acid from Molasses
  - ◆ Acetic Acid from Natural Gas
  - ◆ Acetic Anhydride
  - ◆ Acetonaphthone
  - ◆ Acetone
  - ◆ Acetylene Gas
  - ◆ Acetylene Gas & Oxygen Gas
  - ◆ Acid Slurry (L.A.B.)
  - ◆ Acid Washed Granulated Activated Carbon
  - ◆ Activated Alumina
  - ◆ Activated Bleaching Fuller Earth
  - ◆ Activated Carbon & Sodium Silicate from Rice/Paddy Husk
  - ◆ Activated Carbon from Bamboo
  - ◆ Activated Carbon from Fuller Earth Slum
  - ◆ Activated Carbon from Wood
  - ◆ Activated Carbon Powder & Granulated
  - ◆ Activated Charcoal
  - ◆ Activated Charcoal from Wood
  - ◆ Acid Proof/Spirit Proof Caramel
  - ◆ Acid Slurry (By Manual Process)
  - ◆ Acrylic Acid from Propylene
  - ◆ Acrylic Resin (Emulsion Type)
  - ◆ Activated Carbon from Cashewnut Shell
  - ◆ Activated Carbon from Coconut Shell & Bamboo
  - ◆ Activated Carbon from Coconut Shell By Steam Activation Process
  - ◆ 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, Rice Husk and Coconut Shells
  - ◆ Activated Carbon from Wood, Rice Husk & Saw Dust
  - ◆ Aerosol Silicon Spray
  - ◆ Agar Agar (Bacteriological Grade)
  - ◆ Alkyd Resin
  - ◆ Alum
  - ◆ Alum (Non-Ferric)
  - ◆ Aluminium Fluoride
  - ◆ Amla Hair Oil Based on Vegetable Oil
  - ◆ 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
  - ◆ Alkyd Resin (Soyabean Oil And Linseed Oil)
  - ◆ Alkyd Resin from Cotton Seed Oil
  - ◆ Alum (Ferric & Non Ferric)
  - ◆ Alum for Paper Industries
  - ◆ Aluminium Hydroxide (I.P.)
  - ◆ Aluminium Hydroxide Gel
  - ◆ Aluminium Silicate
  - ◆ Aluminium Slug (Used for Collapsible Tube Containers)
  - ◆ Amino Acid
  - ◆ Ammonia Gas
  - ◆ Ammonia Gas Bottling Plant
  - ◆ Ammonium Nitrate
  - ◆ Ammonium Nitrate from Fertilizer
  - ◆ Ammonium Sulphate
  - ◆ Ammonium Chloride
  - ◆ Amyl Acetate
  - ◆ Anilin Oil By Hydrogenation from Benzene
  - ◆ Anti Scaling / Descaling Chemicals
  - ◆ Anhydrous Ferric Chloride
  - ◆ Antimony
  - ◆ Antimony Potassium Tartrate
  - ◆ Antimony Trioxide
  - ◆ Assaying Gold
  - ◆ Ascorbic Acid (Vitamin C) from Lemon
  - ◆ Bacteriological Grade Agar Agar
  - ◆ Barium Carbonate
  - ◆ Barium Compounds
  - ◆ Barium Nitrate
  - ◆ Basic Chromium Sulphate
  - ◆ Basic Chromium Sulphate from Waste Sulfur Dioxide
  - ◆ Beneficiation of Manganese Ore
  - ◆ Benzoic Acid
  - ◆ Benzoyl Peroxide (In Crystal Form)
  - ◆ Benzoyl Peroxide (In Powder Form)
  - ◆ Benzyl Acetate, Benzyl Alcohol, Benzyl Benzoate
  - ◆ Benzyl Alcohol
  - ◆ Benzyl Benzoate
  - ◆ Benzyl Chloride
  - ◆ Bio Gas Production
  - ◆ Bituminous Felts for Water Proofing & Damp Proofing
  - ◆ Bleaching Powder
  - ◆ B-Naphthol from Naphthalene
  - ◆ Bobin Serum Albumin
  - ◆ Boric Acid
  - ◆ Briquetting of Lignite
  - ◆ Buffing & Polishing Compound
  - ◆ Cable Jelly Compound
  - ◆ Cable Jelly Filled Compound
  - ◆ Caffeine from Tea Waste
  - ◆ CacO3 Filled Master Batches
  - ◆ Calcined Lime
  - ◆ Calcining of Magnesite & Deadburnt Manganese Oxide
  - ◆ Calcite Alumina Powder
  - ◆ Calcium Carbonate (Pre Activated)
  - ◆ Calcium Carbonate Precipitated
  - ◆ Calcium Propionate
  - ◆ Calcium Salt for Higher Fatty Acid Using Cotton Seed Oil
  - ◆ Calcium Silicate
  - ◆ Camphor Tablet (Synthetic)
  - ◆ Cancer Hospital
  - ◆ Casein from Milk
  - ◆ Caustic Soda (Sodium Hydroxide) Naoh
  - ◆ Caustic Soda Lye
  - ◆ Calcining of Magnesite & Dead Burnt Manganese Oxide
  - ◆ Calcium Carbide
  - ◆ Calcium Carbonate (Precipitated & Activated)
  - ◆ Calcium Carbonate By Using Sea Shell
  - ◆ Calcium Carbonate from Lime Stone
  - ◆ Calcium Carbonate from Marble Chips
  - ◆ Calcium Chloride
  - ◆ Calcium Gluconate
  - ◆ Calcium Hypochloride
  - ◆ Calcium Nitrate
  - ◆ Calcium Oxide (Lime Stone Powder)
  - ◆ Calcium Palmitate (Used as Cattle Feed)
  - ◆ Calcium Salt for Higher Fatty Acid Using Cotton Seed Oil
  - ◆ Calcium Sennosides and Its Products from Senna
  - ◆ Camphor Powder
  - ◆ Camphor Sheet from Camphor Powder
  - ◆ Camphor Tablet
  - ◆ Carbon Black from Natural Gas
  - ◆ Carbon Black from Dry Cell Batteries
  - ◆ Carbon Black from Fertilizer's Waste
  - ◆ Carbon Dioxide (CO<sub>2</sub>)
  - ◆ Carbon Dioxide from Boiler Exhaust Gases
  - ◆ Carbon Powder
  - ◆ Carbon Tetra Chloride
  - ◆ Carboxy Methyl Cellulose
  - ◆ Cationic Softener
  - ◆ Caustic Flakes from Sea Water
  - ◆ Caustic Soda
  - ◆ Cellulose Powder from Cotton Linter (Waste of Cotton)
  - ◆ Cellulose Acetate
  - ◆ Cellulose Powder & Microcrystalline Cellulose Powder
  - ◆ Cement Water Proofing Compound
  - ◆ Charcoal from Bagasse
  - ◆ Charcoal from Coconut Shell
  - ◆ Charcoal Powder from Rice Husk
  - ◆ Chelated Zinc (Zn-EDTA)
  - ◆ Chelated Zinc Powder (Zn-EDTA)
  - ◆ China Clay Washing/Purification
  - ◆ Chlorinated Paraffin Wax (CPW)
  - ◆ Chloroform (CHCl<sub>3</sub>)
  - ◆ Choline Chloride
  - ◆ Chromic Acid
  - ◆ Citric Acid from Molasses
  - ◆ Citric Acid from Lemon
  - ◆ CNSL Based Resin in Powder & Liquid Form
  - ◆ Coalchar from Activated Carbon
  - ◆ Cobalt Octoate
  - ◆ Construction Chemicals
  - ◆ Coolent Engines
  - ◆ Copper Sulphate
  - ◆ Copper Sulphate from Copper Ash
  - ◆ Corrosion Controlling Chemicals (Pipe Lines)
  - ◆ D.O.P. (Dioctyle Phthalate)
  - ◆ Defoaming Agent for Paper Industries
  - ◆ Dehydrated Lime
  - ◆ Derivative of Geraniol & other Alcohols Extract B-Pinene Derivative Based on Pinene
  - ◆ Dextrin from Starch
  - ◆ Dhooop (Loban) Benzoin
  - ◆ Di Calcium Phosphate from Rock Phosphate Haifa Process
  - ◆ Di-Butyl Phthalate (DBP)
  - ◆ Di-Calcium Phosphate from Rock Phosphate
  - ◆ Diethyle Phthalate (D.E.P.)
  - ◆ Dimethyl Sulphate
  - ◆ Dodecyl Benzene Sulphonate
  - ◆ DOP & other Plasticizers
  - ◆ Dough Moulding Compound (DMC)
  - ◆ D-Phenyl Glycine
  - ◆ Dry Ice By Breaking of Air
  - ◆ Dye Fixing Agent (By Cold Process)
  - ◆ EDTA and Its Salt
  - ◆ Emulsifiers for Cutting Oil
  - ◆ Endosulphan
  - ◆ Ephedrine Hydrochloride
  - ◆ Erythrosine
  - ◆ Etching Process
  - ◆ Ethanol as Bio-Fuel
  - ◆ Ethyl Acetate
  - ◆ Ethyl Alcohol from Molasses
  - ◆ Ethyl Ortho Phthalate
  - ◆ Ethyl Vanillin
  - ◆ Ethylene Diamine
  - ◆ Ethylene Glycol Mono-Stearate, Ethylene Glycol Di-Stearate
  - ◆ Ethylene Oxide By Ethylene Oxidation
  - ◆ Extraction of Chemicals From D.M.O.
  - ◆ Extraction of Gold, Silver & Copper from the Alloy By Chemical Process
  - ◆ Extraction of Lead from Lead Waste
  - ◆ Extraction of Silver from Hypo Solution (Chemical Process)
  - ◆ Fatty Acid
  - ◆ Ferric Alum
  - ◆ Ferric Alum for Water Treatment
  - ◆ Ferric Chloride (Anhydrous)
  - ◆ Ferric Chloride Solution
  - ◆ Ferric Oxide
  - ◆ Ferric Sulphate
  - ◆ Ferric Sulphate (Powder)
  - ◆ Ferro Alloy
  - ◆ Ferro Manganese (By Alumina Thermic Process)
  - ◆ Ferro Silicon
  - ◆ Ferrous Silicate
  - ◆ Ferrous Sulphate
  - ◆ Fire Works
  - ◆ Fluorine Chemical (Hydro Fluoric Acid)
  - ◆ Foaming Agent
  - ◆ Formaldehydeformic Acid
  - ◆ Formulation of Super Plasticizer
  - ◆ Fuller Earth
  - ◆ Furfural from Rice Husk/Hull
  - ◆ G. Acid
  - ◆ Gasket Shellec Compound
  - ◆ Gelatin (Edible, Pharmaceutical & Photography Grade)
  - ◆ Gelatin from Bones
  - ◆ Geraniol Derivatives & Alcohol Extract of Pinene
  - ◆ Glacial Acetic Acid
  - ◆ Glacial Acetic Acid from Methyl Alcohol
  - ◆ Gluten
  - ◆ Glycerine
  - ◆ Glycerol Monostearate
  - ◆ Gold Potassium Cyanide
  - ◆ Gold Salt
  - ◆ Gossypol
  - ◆ Ground Calcium Carbonate
  - ◆ Guar Hydroxy Propyl Triammonium Chloride

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

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Heat & UV Stabilizers for PVC & other Engineering Plastics
- ◆ Heat and Water Proof Compound for Construction
- ◆ Hexachloro-Ethane
- ◆ Hexachloro-Ethane from Ethylene Dichloride
- ◆ Hexamine from Formaldehyde
- ◆ High Concentrated Formalin
- ◆ Hydrated Lime
- ◆ Hydrated Lime from Sea Shell
- ◆ Hydrochloric Acid
- ◆ Hydrogen Peroxide (90% or 50%)
- ◆ Hydrogen Peroxide (By Auto Oxidation Process)
- ◆ Hydrogen Peroxide By Ethyl Anthraquinone Catalytic
- ◆ Hydroxide (Naoh)-Caustic Soda
- ◆ Hydroxy Amine Sulphate
- ◆ Industrial Gases
- ◆ Industrial Salt
- ◆ Insoluble Sulphur
- ◆ International Standard Laboratories
- ◆ Iron Oxide for Making Ferrites
- ◆ Iso Propane (Isopropyl Alcohol)
- ◆ Isophthalic Acid
- ◆ Isolation of Citral & Ionones from Lemon Grass Oil
- ◆ Isophthalic Acid Resin
- ◆ L A B (Linear Alkyl Benzene)
- ◆ L-Ascorbic Acid (Vitamin C)
- ◆ Laboratory Chemicals
- ◆ Lead Oxide (Mono-Oxide, Red Lead Tetra nickel)
- ◆ Lead Oxide (Monoxide, Red & Grey)
- ◆ Lead Recovery from Scrap Battery
- ◆ Lead Stearate
- ◆ Leather Auxiliaries
- ◆ Leather Chemicals (Hydrated Lime, Chromium Sulphate, Borax)
- ◆ Lecithin from Sunflower Oil
- ◆ Lecithin (Soya Based)
- ◆ Light Magnesium Oxide
- ◆ Lime Stone Powder
- ◆ Linear Alkyl Benzene
- ◆ Liquid Oxygen Bottling Plant
- ◆ Low Carbon Ferro Manganese
- ◆ M-Dinitrobenzene
- ◆ Magnesite from Magnesite Ore
- ◆ Magnesium from Sea Water
- ◆ Magnesium Hydroxide
- ◆ Magnesium Hydroxide Powder
- ◆ Magnesium Powder (Light)
- ◆ Magnesium Sulfate as Fertilizer Grade
- ◆ Magnesium Sulphate
- ◆ Maleic Anhydride
- ◆ Manganese Sulfate from Ferromanganese Content 30% Mn<sub>2</sub>O<sub>3</sub>
- ◆ Manganese Sulphate
- ◆ Metal Paste
- ◆ Medium Grade Ferro Manganese
- ◆ Melamine
- ◆ Melamine Formaldehyde Powder
- ◆ Methyl Methacrylate
- ◆ Meta-Dinitro Benzaldehyde
- ◆ Metal Naphthenates
- ◆ Metal Paste
- ◆ Metal-Pre-Treatment Chemicals
- ◆ Metanilic Acid
- ◆ Methyl Acrylate
- ◆ Methyl Ethyl Ketone Oxime
- ◆ Methyl Ethyl Ketone Peroxide
- ◆ Methyl Ethyl Ketone Peroxide
- ◆ Methyl Salicylate
- ◆ Metrodinazole
- ◆ Micro Nutrients Mixture Solid
- ◆ Mixed Fertilizer (Chemical Based)
- ◆ Mixed Fertilizer (Organic Waste)
- ◆ Mono Ethylene Glycol
- ◆ Mono Sodium Glutamate
- ◆ Mosquito Coil
- ◆ N-Acetyl Glucosamin Through Chitin Biotechnically
- ◆ Naphtha Based Solvent
- ◆ Naphthalene Balls
- ◆ Naphthalene from Coaltar & Petroleum Waste
- ◆ Naphthole Astr
- ◆ N-Butyl Acetate
- ◆ Nickel Catalyst for Hydrogenation of Vegetable Oil
- ◆ Nicotine from Tobacco Waste
- ◆ Nitric Acid (60%) from Ammonia
- ◆ Nitro Cellulose
- ◆ Nitrous Oxide
- ◆ Non-Ferric Alum
- ◆ Non-Formaldehyde Fixing Agent
- ◆ Non-Formaldehyde Fixing Agent (Natural)
- ◆ N-Paraffin
- ◆ Ortho-Toluene Solvent
- ◆ Ossein from Bones
- ◆ Oxalic Acid from Molasses
- ◆ Oxalic Acid from Rice Husk
- ◆ Oxalic Acid from Saw Dust
- ◆ Oxalic Acid from Vegetable Waste
- ◆ Oxygen and Nitrogen Gas Plant
- ◆ Oxygen Gas Collection and Bottling Plant
- ◆ Oxygen Gas Plant
- ◆ Oxygen Gas Plant (Air Separation Method)
- ◆ Oxygen Liquid Plant
- ◆ P.V.C. Stabilizer (Lead Stearate & Calcium Stearate)
- ◆ Paint Driers
- ◆ Para Aminophenol
- ◆ Para Toluene Sulphonic Acid
- ◆ Pectin from Citrus, Lemon & Oranges
- ◆ Pectin from Orange Lime Peels
- ◆ Pectin from Raw Papaya
- ◆ Pentaerythritol
- ◆ Phenyl
- ◆ Phenyl (Black and White)
- ◆ Phenyl (Pine Oil Disinfectant)
- ◆ Phenyl Brown & White from Crude
- ◆ Phosphoric Acid from Rock Phosphate (Used of Waste Spent Acid 25% of Vinyl Sulphan Contents H<sub>2</sub>SO<sub>4</sub> + HCl)
- ◆ Photo-Emulsion for Rotary Screen Printing
- ◆ Phthalic Anhydride
- ◆ Phthalocyanine Blue & Green
- ◆ Plaster of Paris
- ◆ Poly Acetal Unit
- ◆ Poly Acrylic Acid
- ◆ Poly Aluminium Chloride (PAC. from AlCl<sub>3</sub>)
- ◆ Poly Aluminium Chloride from Aluminium Hydroxide
- ◆ Poly Aluminium Sulphate from Aluminium Sulphate
- ◆ Poly Carbonate (Dry Process)
- ◆ Poly Vinyl Alcohol
- ◆ Polyester Resin
- ◆ Polyethylene Wax
- ◆ Polyvinyl Acetate
- ◆ Polyvinyl Alcohol
- ◆ Potassium Chloride
- ◆ Potassium Cyanide (Silver & Gold)
- ◆ Potassium Dichromate
- ◆ Potassium Iodate
- ◆ Potassium Iodide
- ◆ Potassium Nitrate
- ◆ Potassium Nitrate from Potassium Chloride
- ◆ Potassium Permanganate (KmnO<sub>4</sub>) In Solution form
- ◆ Potassium Silicate
- ◆ Potassium Silicate Using Autoclave
- ◆ Precipitated Calcium Carbonate
- ◆ Precipitated Silica
- ◆ Precipitated Silica from Rice Husk Ash
- ◆ Reclamation of Nickel from Spent Catalyst of Vanaspati Industry
- ◆ Reclamation of Used Bleaching Earth
- ◆ Recovery of Silver from Waste Fixer Bleach Obtained from Photo Colour Lab By Sulphide Process
- ◆ Recovery of Zinc Metal from Zinc Ash
- ◆ Red Oxide from Waste Ferrous Sulfate of H-Acid
- ◆ Red Oxide Paint Brushing, Finishing and Semi Glass
- ◆ Refrigerant Alfa - R- 134
- ◆ Ringer's Lactate Solution
- ◆ Roofing Compound & Water Proofing Compound
- ◆ Silica Jel
- ◆ Silica Sand
- ◆ Silica Sand Beneficiation
- ◆ Silicon Sealant
- ◆ Silicone
- ◆ Silicone Carbide
- ◆ Silicone Emulsion
- ◆ Silicone from Rice Husk
- ◆ Silver Extraction from Waste Hypo Solution (Chem. Process)
- ◆ Silver Extraction from Waste Hypo Solution (X-Ray/Cinema Film)
- ◆ Silver Extraction from Waste Fibre Bleach and from Photo Film
- ◆ Silver Nitrate
- ◆ Single Super Phosphate & Mix NPK Fertilizers (SSP & NPK)
- ◆ Single Super Phosphate (S.S.P.) & Sulphuric Acid
- ◆ Soda Ash
- ◆ Sodium Aluminates
- ◆ Sodium Aluminium Sulphate
- ◆ Sodium Benzoate
- ◆ Sodium Bicarbonate from Soda Ash
- ◆ Sodium Carboxy Methyl Cellulose
- ◆ Sodium Chromate
- ◆ Sodium Hexa Meta Phosphate
- ◆ Sodium Hydroxide
- ◆ Sodium Hydrosulphite
- ◆ Sodium Hypo Chlorite from Waste Chlorine Gas
- ◆ Sodium Hypochloride (Bleaching Powder)
- ◆ Sodium Meta Bisulphite
- ◆ Sodium Meta-Silicate
- ◆ Sodium Nitrate
- ◆ Sodium Nitrate & Sodium Nitrate from Nitric acid Vapour of Oxalic Acid
- ◆ Sodium Petroleum Sulphonate
- ◆ Sodium Silicate from Rice/Paddy Husk
- ◆ Sodium Silicate from Silica and Soda Ash
- ◆ Sodium Sulphate (Anhydrous)
- ◆ Sodium Sulphide from Barium Compound
- ◆ Sodium Sulphide from Sulfur Caustic Soda
- ◆ Sodium Sulphite
- ◆ Sodium Tripoly Phosphate
- ◆ Softener (Cationic, Anionic & Nonionic)
- ◆ Solder Fluxes
- ◆ Solid Fuel Cake
- ◆ Solvent & Thinners
- ◆ Solvent Extraction & Refining Plant
- ◆ Solvent Extraction and Refining of Soyabean Oil
- ◆ Stearic Acid
- ◆ Strontium Carbonate
- ◆ Sulphur Milling Plant
- ◆ Sulphur Powder
- ◆ Sulphuric Acid
- ◆ Sulphuric Acid 98%, Oleum 65%, Chlorosulphonic Acid 98% (from Sulphur), & Thionielchloride (Socl<sub>2</sub> from Sulpher & Chlorine Gas)
- ◆ Super Phosphate & Mixed Fertilizer (NPK)
- ◆ Surgical Methylated Spirit
- ◆ Synthetic Iron Oxide (Yellow)
- ◆ Synthetic Ruby Sapphire
- ◆ Synthetic Tallow
- ◆ Tannic Acid
- ◆ Tartaric Acid from Maleic Anhydride
- ◆ Tartaric Acid from Tamarind
- ◆ Tartaric Acid, Food Colour, Crude Pectin, Tamarind Oil
- ◆ Textile Printing Binder
- ◆ Thio Urea
- ◆ Thio Urea (Using Carbon Disulphide)
- ◆ Titanium Dioxide
- ◆ Tri Basic Lead Sulphate
- ◆ Trisodium Phosphate
- ◆ Ultra Marine Blue (5 Mt/Day)
- ◆ Urea Formaldehyde Resin
- ◆ Water Proofing Compound (Liquid & Powder)
- ◆ Water Treatment Chemicals
- ◆ X-Ray Photography Developers & Fixer
- ◆ Yeast from Molasses
- ◆ Yellow Dextrin
- ◆ Zeolite - A
- ◆ Zinc & Copper Sulphate from Brass Ash
- ◆ Zinc Brightener
- ◆ Zinc Chloride
- ◆ Zinc Oxide (Chemical Process)
- ◆ Zinc Oxide from Zinc Dross
- ◆ Zinc Phosphate
- ◆ Zinc Phosphate By Cold Process
- ◆ Zinc Stearate
- ◆ Zinc Sulfate 21% Agricultural Grade from Waste Ash
- ◆ Zinc Sulphate
- ◆ Zinc Sulphate Micro Nutrients or Fertilizer
- ◆ Zinc Sulphate Micro-Nutrient Mixture
- ◆ Zinc-Metal from Zinc Ash
- ◆ Zircon

- ◆ COMPUTER PRODUCTS
- ◆ Compact Disc
- ◆ Computer Assembling Unit
- ◆ Computer Assembly (Hardware)
- ◆ Computer Monitor (Monochrome Monitor)
- ◆ Computer Ribbon (For Printer)
- ◆ Computer Ribbon Refilling/ Reinking
- ◆ Computer Software (EOU)
- ◆ Computer Farms & Security Printing Press
- ◆ Computer Floppy Disk Storage Box
- ◆ Compact Disc Player
- ◆ Computer Key Boards
- ◆ Computer Forms (Stationery)
- ◆ Floppy Disks
- ◆ Laptop Computers
- ◆ Plastic Floppy Storage Box
- ◆ COSMETICS, PERFUMES, FLAVOURS & ESSENTIAL OILS
- ◆ Aerosol Silicon Spray
- ◆ Aerosol Spray [Rose Flavour, Night Queen, Jasmin
- ◆ After Shave Lotion
- ◆ Agar Agar (Bacteriological Grade)
- ◆ Agar Oil from Black Agar Wood
- ◆ Agarbatti (Sticks)
- ◆ Agarbatti Synthetic Perfumery Compound
- ◆ Air Freshener & Purifiers
- ◆ Air Fresheners (Odonil Type)
- ◆ Artemisia Vulgaris Oil
- ◆ Aromatic Perfumery Compounds
- ◆ Bath Soap (Pears Type)
- ◆ Bathing Soap
- ◆ Bind
- ◆ Bindiya (Shilpa Type)
- ◆ Car Shampoo
- ◆ Cardamom Oil
- ◆ Cosmetic Industry
- ◆ Cylindrical Agarbatti Sticks
- ◆ Detol Type Antiseptic Lotion
- ◆ Dhooop Batti Sticks
- ◆ Essences for Biscuit,

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

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- |  |   |   |   |
|--|---|---|---|
| <ul style="list-style-type: none"> <li>Confectionery Items (Non-Essential Flavour)</li> <li>◆ Essential Oil Form Lily, Mogra, Nishigandha</li> <li>◆ Essential Oil from Flowers</li> <li>◆ Essential Oils from Jawa Citronella Oil</li> <li>◆ Eucalyptus Oil</li> <li>◆ Extraction of Essential Oil &amp; Packaging</li> <li>◆ Extraction of Menthol Oil.</li> <li>◆ Extraction of Oil (Jeera, Ajowan, Ginger, Cardamom Oil)</li> <li>◆ Formulation of Flavours</li> <li>◆ Fractional Distillation of Essential Oil and Medicinal Plant</li> <li>◆ Garlic and Ginger Oil</li> <li>◆ Ginger Oil (Super Critical Co<sub>2</sub> Process)</li> <li>◆ Hair Dye (Godrej Type)</li> <li>◆ Hair Dye Powder</li> <li>◆ Hair Dyes (Henna Based)</li> <li>◆ Hair Oil</li> <li>◆ Hair Shampoo</li> <li>◆ Henna Paste (Self Life 6 Month)</li> <li>◆ Herbal Cosmetic</li> <li>◆ Herbal Hair Oil (Banphool Type)</li> <li>◆ Herbal Natural Essential Oil</li> <li>◆ Herbal Natural Essential oil (Steam Distillation Process)</li> <li>◆ Lemon Grass Oil</li> <li>◆ Lily Essence</li> <li>◆ Menthol Crystal Bold from Menthol Oil</li> <li>◆ Menthol Crystals</li> <li>◆ Menthol Crystals &amp; Menthol Oil</li> <li>◆ Menthol Oil, Citronella Oil &amp; Clove Oil</li> <li>◆ Nail Polish</li> <li>◆ Non Formal Dye Fixing Oil</li> <li>◆ Non-Alcoholic Flavours</li> <li>◆ Oleo-Resin &amp; Capsacin Product Extraction Plant</li> <li>◆ Oleoresin &amp; Essential Oil</li> <li>◆ Palmrosa Grass Oil</li> <li>◆ Peppermint Oil</li> <li>◆ Perfumery Chemicals Synthetic and Natural</li> <li>◆ Perfumes</li> <li>◆ Red (Lal) Tooth Powder</li> <li>◆ Rose Oil (Essential Oil from Flowers)</li> <li>◆ Rose Oil Extraction</li> <li>◆ Rose Plantation &amp; Rose Oil Extraction (Rose Essential Oil)</li> <li>◆ Sandal Wood Oil &amp; Powder</li> <li>◆ Scent &amp; Perfumes</li> <li>◆ Shampoo &amp; Creams</li> <li>◆ Vanishing Cream) Shaving Cream</li> <li>◆ Shaving Cream &amp; Shaving Soap</li> <li>◆ Sindur, Roli, Bindi &amp; Gulal</li> <li>◆ Spice Oil or Oleoresins (Extraction of Essential Oil from Spices)</li> <li>◆ Sweet Aroma of Betel Nut.</li> <li>◆ Synthetic Perfumery Compound</li> <li>◆ Talcum Powder (Face &amp; Toilet Powder)</li> <li>◆ Tejpatta Oil from Tejpatta</li> <li>◆ Talcum Powder</li> <li>◆ Tobacco Based Tooth Powder</li> <li>◆ Tobacco Flavouring Compound</li> <li>◆ Tooth Paste</li> <li>◆ Tooth Paste &amp; Powder</li> <li>◆ Tooth Paste (Gel Type)</li> <li>◆ Yara Yara (Perfumes for Soap, Detergent &amp; Agarbatti)</li> </ul> | <ul style="list-style-type: none"> <li>◆ Dyes &amp; Dye Intermediates</li> <li>◆ Erythrosine</li> <li>◆ Fast Colour Base</li> <li>◆ Lake Colour</li> <li>◆ Leather Auxiliaries</li> <li>◆ Lecithin (Soya Based)</li> <li>◆ Metal Naphthenates</li> <li>◆ Naphthalene Balls</li> <li>◆ Phthalocyanine Blue and Green</li> <li>◆ Reactive Dyes (Red, Orange, Yellow Colour) Used B-Naphthol</li> <li>◆ Synthetic Iron Oxide (Yellow)</li> <li>◆ Textile Bleaching, Dyeing &amp; Finishing</li> <li>◆ Textile Carpet Woolen Dyeing</li> <li>◆ Textile Dyeing Auxiliaries</li> <li>◆ Textile Printing Pigment Binder</li> <li>◆ Ultra Marine Blue</li> </ul> <p><b>ELECTRICAL &amp; ELECTRONIC INDUSTRIES</b></p> <ul style="list-style-type: none"> <li>◆ Air Cooler</li> <li>◆ Air Conditioner (A/C) Car &amp; Room Servicing</li> <li>◆ Air Conditioners (Window Type)</li> <li>◆ All Aluminium Alloy Conductor (AAAC)</li> <li>◆ All Aluminium Conductor &amp; Aluminium Conductor</li> <li>◆ All Aluminium Conductors</li> <li>◆ Alternator</li> <li>◆ Alternator (1 To 75 KVA)</li> <li>◆ Aluminium Electrolytic Capacitor</li> <li>◆ Aluminium Power Cables</li> <li>◆ Aluminium/Copper Cable Lugs</li> <li>◆ Arial Bunched Cable</li> <li>◆ Armoured Cables</li> <li>◆ Audio Cassette Assembling &amp; Recording Unit</li> <li>◆ Audio Cassette Manufacturing &amp; Recording</li> <li>◆ Audio Cassettes Manufacturing</li> <li>◆ Audio Magnetic Tape</li> <li>◆ Audio Stereo Cassette Recorder Players</li> <li>◆ Audio Video Cassette Assembling</li> <li>◆ Auto Bulb/Lamp</li> <li>◆ Auto Lamps (Auto Tail Lights)</li> <li>◆ Auto Telephone Recording and Answering Machine</li> <li>◆ Automobile Battery</li> <li>◆ Bakelite Electrical Accessories</li> <li>◆ Battery (UPS, Inverter, Solar System, &amp; Automobile Battery)</li> <li>◆ Battery for Auto Vehicles</li> <li>◆ Battery Manufacturing Unit</li> <li>◆ Battery Plates &amp; Assembly</li> <li>◆ Bio Gas Power Plant from Cowdung</li> <li>◆ Button Cell (Miniature Watch Battery)</li> <li>◆ Cable Creeping Lugs, Socket &amp; Cable Creeping Tools</li> <li>◆ Calculator, Torch &amp; Alarm</li> <li>◆ Capacitors</li> <li>◆ Captive Thermal Power Plant for Glass Industry</li> <li>◆ Cassette Tape Recorder</li> <li>◆ Ceiling Fan</li> <li>◆ Choke &amp; Starter for Fluorescent Tube</li> <li>◆ Choke and Patti for Fluorescent Tube</li> <li>◆ Choke and Starter</li> <li>◆ Chokes and Patties</li> <li>◆ Clay Plate for Electric Heater</li> <li>◆ Colour Television (T.V.)</li> <li>◆ Commutators</li> <li>◆ Compact Copper Tube Light Choke</li> <li>◆ Compact Disc Rom (CD- Rom)</li> <li>◆ Compact Disk Player</li> <li>◆ Compact Fluorescent Lamps</li> <li>◆ Compressor for AC (Hermetic)</li> <li>◆ Computerized Washing Machine</li> <li>◆ Cooling Coils (For Air Conditioners)</li> <li>◆ Copper Clad Laminated Sheet Used for Making P.C.B.</li> <li>◆ Cordless Telephone</li> <li>◆ CT/PT Epoxy Casting</li> </ul> | <ul style="list-style-type: none"> <li>Transformers</li> <li>◆ Diesel Generator (20-200 KVA)</li> <li>◆ DG Set</li> <li>◆ Dish Antenna and Satellite Network Equipment</li> <li>◆ Distribution Transformer (250kva) Repairing</li> <li>◆ Distribution Transformers</li> <li>◆ Domestic Electric Cable (Cap. 1600 Coils/Day)</li> <li>◆ Domestic Refrigeration</li> <li>◆ Dry Cell Battery</li> <li>◆ Dry Cell</li> <li>◆ Dry Cells, Rechargeable Cells</li> <li>◆ Electric &amp; Ordinary Detonators (Used in Explosive for Hard Rock Cutting &amp; Blasting)</li> <li>◆ Electric Arc Furnace</li> <li>◆ Electric Bulb (GLS Bulb)</li> <li>◆ Electric Energy Meters</li> <li>◆ Electric Fan</li> <li>◆ Electric Fluorescent Tube</li> <li>◆ Electric Geyser</li> <li>◆ Electric Mixer</li> <li>◆ Electric Motor</li> <li>◆ Electric Motor Pumps</li> <li>◆ Electric Panel Board (Switch Boards)</li> <li>◆ Electric Steam Iron</li> <li>◆ Electric Water Heater</li> <li>◆ Electrical Accessories (Plugs, Switches, Sockets)</li> <li>◆ Electrical Lamp</li> <li>◆ Electrical Panel (Switch Board)</li> <li>◆ Electrical Stamping</li> <li>◆ Electro Polishing on Steel</li> <li>◆ Electronic Calculator</li> <li>◆ Electronic Choke (Ballast)</li> <li>◆ Electronic Cut Out for Automobiles</li> <li>◆ Electronic Digital Weighing Machine</li> <li>◆ Electronic Energy Meter</li> <li>◆ Electronic Horn for Automobile</li> <li>◆ Electronic Service Centre</li> <li>◆ Electronic Toys</li> <li>◆ Emergency Light</li> <li>◆ Emergency Tube Light</li> <li>◆ EPABX / EPAX System</li> <li>◆ Exhaust Fans (Cooler Fan)</li> <li>◆ F.H.P. Motors</li> <li>◆ Ferrite Magnets</li> <li>◆ Fluorescent Tube Starter</li> <li>◆ G.L.S. Bulbs/Lamps</li> <li>◆ Gas Based Power Plant</li> <li>◆ Gas Based Power Project (600 MV)</li> <li>◆ Gas Detectors of LPG</li> <li>◆ Halogen Lamps</li> <li>◆ House Wiring Cables</li> <li>◆ HT &amp; MV Industrial Cubic Switch Boards</li> <li>◆ Hydro Based Power Plant (15MW)</li> <li>◆ Immersion Heater</li> <li>◆ Information Moving Display (Lead Type)</li> <li>◆ Invertors</li> <li>◆ Jelly Filled Cables</li> <li>◆ Lamp Shades &amp; Chandliers</li> <li>◆ Light Emitting Diodes</li> <li>◆ M.C.B. (Miniature Circuit Breaker)</li> <li>◆ Maintenance Free Re-Chargeable Battery</li> <li>◆ Micro Oven</li> <li>◆ Miniature Transformer</li> <li>◆ Multilayer Printed Circuit Board</li> <li>◆ Musical Door Bell</li> <li>◆ Neon Bulb</li> <li>◆ Neon Sign Board</li> <li>◆ Neon Sign Tube and Board</li> <li>◆ Optical Fibre Cable</li> <li>◆ Optical Pickup Unit</li> <li>◆ PCB (Flexible)</li> <li>◆ PCB (Multilayer)</li> <li>◆ PCB (Totally Automatic Plant)</li> <li>◆ Plastic Cooler Body (Symphony Type)</li> <li>◆ Polyurethane Battery Separator</li> <li>◆ Porcelain Insulator</li> </ul> | <ul style="list-style-type: none"> <li>◆ Portable Television (B &amp; W)</li> <li>◆ Power Capacitor</li> <li>◆ Power Generating Unit from Agricultural Waste Heat Energy</li> <li>◆ Power Plant (5 MW/Hr) By Agro Waste</li> <li>◆ Power Plant (Hydro Based) Cap: 10 MW</li> <li>◆ Power Supply (Linear Switch Mode)</li> <li>◆ Power Transformer</li> <li>◆ Printed Circuit Board</li> <li>◆ P.V.C. Wire &amp; Cables</li> <li>◆ PVC Battery Separator</li> <li>◆ Rechargeable Battery-Maintenance Free (Sealed Lead Acid)</li> <li>◆ Re-Conditioning of Fluorescent Tube</li> <li>◆ Re-Conditioning of TV Picture Tube</li> <li>◆ Refrigeration &amp; Mini Refrigeration</li> <li>◆ Rewinding of Burnt Electric Motor</li> <li>◆ Rosin Cored Soft Soldering Wire</li> <li>◆ Satellite Receiver</li> <li>◆ Scientific Laboratory Equipment (Electronic)</li> <li>◆ Soft &amp; Hard Ferrites</li> <li>◆ Solar Cells</li> <li>◆ Solar Cooker</li> <li>◆ Solar Electrical Cell &amp; Heating Panel</li> <li>◆ Solar Energy Water Heater</li> <li>◆ Solar Photo Voltaic System</li> <li>◆ Solar Power Plant</li> <li>◆ Solar Pump</li> <li>◆ Solar Water Heaters</li> <li>◆ Steel Vacuum Flask</li> <li>◆ Submersible Pump &amp; Motors</li> <li>◆ Submersible Pump</li> <li>◆ Switch Mode Power Supply</li> <li>◆ Tape Recorder's Pinch Roller, Rubber, Drive, Belt Flat</li> <li>◆ Telephone (Push Button Type)</li> <li>◆ Terminal Connectors</li> <li>◆ Transformer/Servomotor/Relay</li> <li>◆ Un-Interrupted Power Supply (UPS)</li> <li>◆ V.C. Cooler</li> <li>◆ Variable Frequency, Variable Voltage A.C. Voltage</li> <li>◆ Video Cassette</li> <li>◆ Video Compact Disc (V.C.D.)</li> <li>◆ Voltage Stabilizer (Solid State)</li> <li>◆ Voltage Stabilizer Using IC Timer</li> <li>◆ Washing Machine</li> <li>◆ Washing Machine &amp; Geyser</li> <li>◆ Wind Energy Power Project</li> <li>◆ Winding Wires PVC Insulated for Submersible Motors</li> <li>◆ XLPE Cables</li> </ul> <p><b>ELECTROPLATING INDUSTRIES</b></p> <ul style="list-style-type: none"> <li>◆ Anodic Aluminium Labels</li> <li>◆ Aluminium Anodizing Plant</li> <li>◆ Aluminium Hard-Anodizing Unit</li> <li>◆ Chrome Plating</li> <li>◆ Electro Polishing of Steel</li> <li>◆ Electroplating of Gold &amp; Their Chemical Treatment in Golden Colour</li> <li>◆ Electroplating of Plastic</li> <li>◆ Electroplating of Various Metal</li> <li>◆ Galvanized Iron Sheet (Plain &amp; Corrugated)</li> <li>◆ Gold Electroplating on Cheaper Ornaments (Without Using Gold)</li> <li>◆ Gold Plated Silver Jewellery</li> <li>◆ Gold Plated Silver Jewellery &amp; Cutlery</li> <li>◆ Hard Chromium Plating</li> <li>◆ Silver &amp; Gold Plating on PVC and Nylon-6</li> <li>◆ Watch Case Buffing</li> </ul> <p><b>ECO-FRIENDLY PRODUCTS</b></p> <ul style="list-style-type: none"> <li>◆ Duplex Paper</li> <li>◆ Fuel Bricks from Groundnuts Soyabean Hull and Jute</li> </ul> |
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Market Survey Cum Detailed Techno Economic Feasibility Report on All Above Projects are Available. Contact :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Gunny Bags
- ◆ Jute Coir, Grass Rope/ Sutti
- ◆ Jute Garments
- ◆ Jute Shopping Bags
- ◆ Jute Yarn Sutti & Hessian Cloth Weaving (Integrated Unit)
- ◆ Natural Colour & Oil (Turmeric Colour & Oil)
- ◆ Paper & Paper Board from Jute sticks
- ◆ Paper Cups
- ◆ Paper Cups for Ice Creams
- ◆ Paper Envelopes
- ◆ Paper Plates
- ◆ Paper Shopping Bag, Cup, Plate, Glass & Envelopes
- ◆ Paper Shopping Bags
- ◆ PET Bottles
- ◆ PET Bottles from Pre-Form PET
- ◆ Ply Board from Bamboo (Chinese Process)
- ◆ Poly Vinyl Alcohol Film (Cold Water Soluble)
- ◆ Wood Plastic Composite Products
- EDUCATION PROJECTS
- ◆ Bachelor Physiotherapy College
- ◆ Bio-Tech Institute
- ◆ Culinary Institute
- ◆ Dental College
- ◆ Engineering College
- ◆ ITI Management College
- ◆ Medical College
- ◆ Medical College and Hospital
- ◆ Nursery School
- ◆ Pharmacy College (B. Pharma / D. Pharma)
- ◆ Residential School (ICGEB)
- ◆ School
- GLASS & CERAMICS INDUSTRY
- ◆ Acrylic Mirror
- ◆ Ceramic (Porcelain) Insulator
- ◆ Ceramic Hotel Ware (Bone China)
- ◆ Ceramic Media
- ◆ Ceramic Thread Guide
- ◆ Ceramic Unit
- ◆ Ceramic Foam Filters
- ◆ Ceramic Foam Filters (Metallic Based)
- ◆ Ceramic Glazed Tiles
- ◆ Conversion of Industrial Vitrified Tiles Into Commercial Vitrified Tiles
- ◆ Fibre Glass
- ◆ Flat Glass & Float Drink Glass
- ◆ Glass Ampoules (Distilled Water)
- ◆ Glass Bangles & Glass Pressed Wares
- ◆ Glass Bottle
- ◆ Glass Fensiyent & Specific Gravity Hydro Meter
- ◆ Glass Manufacturing (Security Glass, Window Glass, Glass Basin & Elevation Glass)
- ◆ Glass Marble
- ◆ Glass Reinforced Concrete (G.R.C.)
- ◆ Glass Round Balls
- ◆ Glass Sheet
- ◆ Glass Sheet (Automatic Plant)
- ◆ Glass Sheet for Window
- ◆ 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 Polish for Marble & Granite
- ◆ Mirror Colouring (Pink, Black, Golden, Silver)
- ◆ Mirrors (Silver, Golden, Pink, Black and Yellow Colour)
- ◆ Non Glazed Ceramic Tiles
- ◆ Optical Glass
- ◆ Optical Lenses
- ◆ Safety Glass
- ◆ Sheet Glass / Float Glass
- ◆ Automatic Plant
- ◆ Watch Glass
- GUMS & ADHESIVES
- ◆ Acrylic Adhesive
- ◆ Adhesive (Fevicol Type)
- ◆ Adhesive Based on Polyurethane
- ◆ 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
- ◆ Adhesive (Starch & Polyvinyl Acetate Based)
- ◆ Adhesive Based on Vinyl Acetate (Fevicol Type)
- ◆ BOPP Pressure Sensitive Self Adhesive Tapes
- ◆ Bottle Labeling Gum
- ◆ Corrugated Cartoon Boxes Gum from Tamarind Seed Kernel (Powder Form)
- ◆ Corrugation & Pasting Adhesive (Dry Powder/Liquids)
- ◆ D.O.P. & Other Plasticizer
- ◆ Electrical Insulating Tape Using BOPP Film
- ◆ Ester Gum
- ◆ Fevicol Type Adhesive
- ◆ Glue from Bone Sinews
- ◆ Guar Gum
- ◆ Guar Gum Powder
- ◆ Gum (Liquid) Office Paste
- ◆ Gum from Tamarind Seed Powder
- ◆ Gums & Adhesive
- ◆ Hologram Sticker - 3D
- ◆ Hot - Melt Adhesive
- ◆ Hot Melt Glue
- ◆ Hot Melt Glue Stick
- ◆ Latex Adhesive
- ◆ Latex Based Adhesive
- ◆ Leather Binder (Resin Based)
- ◆ Neoprene Based Adhesive (Rubber Adhesive)
- ◆ Office Gum
- ◆ Paper Tape
- ◆ Plaster of Paris Bandages & Cotton Adhesive Tape
- ◆ Pressure Sensitive Adhesive Tape Binder
- ◆ Pressure Sensitive Adhesive for BOPP Tapes
- ◆ PVC Electrical Insulating Tape
- ◆ Rosin Sizing Agent for Paper Plant
- ◆ Rubber Solution
- ◆ Starch from Maize
- ◆ Starch from Tapioca
- ◆ Surgical Adhesive Tape on Cloth Surface
- ◆ Synthetic Gum Used in Textile Industry
- ◆ Synthetic Rubber Adhesive
- ◆ Textile Printing Paste (Gum)
- ◆ Textile Printing Binder
- HERBS/AROMATIC & HERBAL BASED PRODUCTS
- ◆ Aloe Vera gel
- ◆ Aloe Vera Gel & Powder
- ◆ Aloe Vera Cultivation & Extraction
- ◆ Aloe Vera Gel, Juice and Powder
- ◆ Aromatic Perfumery Compound
- ◆ Aromatic Plants Cultivation & Processing
- ◆ Ark - Ajawain, Pudina, Saunf & Gulab
- ◆ Aromatic Herbal Shampoo
- ◆ Ayurvedic/Herbal Pharmacy
- ◆ Ayurvedic Churan & Tablets
- ◆ Ayurvedic Dantmanjan (Red Colour) Dabur Type
- ◆ Ayurvedic Gamaxine (Using Red Moong)
- ◆ Ayurvedic Pain Balm (Yellow & White) Zandu Type
- ◆ Ayurvedic Pain Balm Ointment
- ◆ Ayurvedic Pharmacy (Capsules, Liquid Oral, Ointment, Powder, Injection)
- ◆ Ayurvedic Raw Material from Mercury
- ◆ Ayurvedic Raw Material from Mercury
- ◆ Ayurvedic Sharbat
- ◆ Ayurvedic Tablets (Hajmola Type)
- ◆ Cardamom Oil
- ◆ Citronella Oil
- ◆ Clove Oil
- ◆ Extraction of Methi Seeds (Fenugreek)
- ◆ Hair Dyes (Henna Based)
- ◆ Hair Dyes (Henna Based) Four Colour
- ◆ Henna Paste
- ◆ Henna Paste (Self Life 6 Months)
- ◆ Henna Powder Repacking
- ◆ Herbal Cigarette
- ◆ Herbal Concentrate in the Manufacturing of Herbal Drugs & Concentrate
- ◆ Herbal Cosmetics
- ◆ Herbal Extracts
- ◆ Herbal Formulation
- ◆ Herbal Hair Oil
- ◆ Herbal Hair Oil (Banphool Type)
- ◆ Herbal Kumkum (Roli)
- ◆ Herbal Medicinal Plants Cultivation & Processing
- ◆ Herbal Natural Essential Oil
- ◆ Herbal Plantation (Medicinal)
- ◆ Herbal Shampoo & Cream
- ◆ Herbal Tooth Paste & Tooth Powder
- ◆ Herbs Plantation & Processing
- ◆ Kali Mehandi
- ◆ Lily Essence
- ◆ Medicinal Plant Extracts
- ◆ Menthol Crystal from Menthol Oil
- ◆ Patchouli Oil
- ◆ Perfumery Chemicals Synthetic and Natural
- ◆ Ras Sindhoor
- ◆ Safed Musli
- ◆ Safed Musli Cultivation & Processing
- ◆ Sennoside & its Product from Senna Leaves
- ◆ Stevia Cultivation
- ◆ Stevia Extract
- ◆ Turmeric Powder
- HOSPITALITY, ENTERTAINMENT, WARE HOUSING & REAL ESTATE PROJECTS
- ◆ Air Taxi (Rental)
- ◆ Amusement Park
- ◆ Amusement Park Cum Water Park
- ◆ Banquet Hall
- ◆ Cinema Hall
- ◆ Club with 4 Star Hotel
- ◆ Cold Storage
- ◆ Fast Food Parlor
- ◆ Five Star Hotel
- ◆ Five Star Hotel & Shopping Mall
- ◆ Five Star Hotel, Business Center (Shopping Center), PVR, Health Club, & Banquet Hall
- ◆ Food Parlor
- ◆ Games Parlor
- ◆ Golf Course
- ◆ Green House
- ◆ Health Club, Beauty Parlor
- ◆ Holiday Resort
- ◆ Hospitals
- ◆ Hotel (Small Hotel with Banquet Halls, Restaurant and Catering Facility)
- ◆ Hotel 5 Star
- ◆ Hotel/Small Hotel
- ◆ Ice Cream Parlor
- ◆ Kids Entertainment Cum Food Center (Restaurant) at The Mall
- ◆ Market Complex
- ◆ Multiplex Cinema Hall, PVR with Shopping Center
- ◆ Multistoried Commercial Complex
- ◆ Multistory Residential Complex
- ◆ Nature Care Centre
- ◆ Nursery School
- ◆ Nursing Home
- ◆ Old Age Home, Orphan Children Hall & Dharamshala
- ◆ Recreation and Health Club
- ◆ Restaurant
- ◆ Satellite Broad Casting Channel
- ◆ Shopping Mall with Four Screen Multiplex + 3 Star Hotel
- ◆ Small Hotel/Motel, Party Room Restaurant, Fast Food Parlor & Banquet Hall
- ◆ Three Star Hotel
- ◆ Video Film Studio
- ◆ Ware House
- HOSIERY/TEXTILE/TEXTILE AUXILIARIES
- ◆ Acrylic Blanket
- ◆ Acrylic Blanket for Warming for Human Coverage Purpose
- ◆ Acrylic Garments
- ◆ Acrylic Yarn
- ◆ Acrylic Yarn Dyeing
- ◆ Angora Rabbit Farming, Feed, Yarn from Wool, Mfg. of Shawls, Sweaters, Caps, Mufflers with Dyeing & Bleaching (EOU)
- ◆ Angora Rabbit Wool
- ◆ Baby Diaper
- ◆ Black Braided Silk (Non-Absorbable Surgical Suture)
- ◆ Blanket from Wool or Woollen Waste or Woollen Rags
- ◆ Brassieres & Panties
- ◆ Canvas Shoes
- ◆ Carding Cloth
- ◆ Carpet Weaving
- ◆ Chemically Water Proofing Process on Cotton Cloth Tarpaulin
- ◆ Children Knit Wear T- Shirt
- ◆ Cotton Buds/Swab
- ◆ Cotton Fiber from Waste Cloth
- ◆ Cotton from Waste Yarn
- ◆ Cotton Ginning & Pressing
- ◆ Cotton Yarn Dyeing
- ◆ Count Cotton Spinning Mill
- ◆ Denim Cloth
- ◆ Denim Cloth (Integrated Unit with Printing, Bleaching, Dyeing)
- ◆ Disposable Baby Diaper
- ◆ Dying of Hank Yarn for Power Loom
- ◆ Fiber from Banana Plant & Mfg. of Bags Like Jute Bags
- ◆ Furnishing Fabrics on Power Loom
- ◆ Handker-Chief
- ◆ Handloom Products (Khes, Bedsheet, Bedcovers, Furnishing Cloth)
- ◆ Hosiery & Textiles Cloth Processing & Hosiery Garments Manufacturing (Composite Mill)
- ◆ Hosiery and Tailor Lables
- ◆ Hosiery Cloth (Cotton Cloth Processing Bleaching, Dyeing, Finishing)
- ◆ Hosiery Cloth Processing (Cotton)
- ◆ Hosiery Fabric Cloth from Cotton Yarn
- ◆ Hosiery Industries (Banian & Underwear)
- ◆ Hosiery Industry
- ◆ Hosiery Industry (Gunji, Banian, Underwears)
- ◆ Hosiery Products (Like T- Shirt, Knitwear and Arlyc Yarn)
- ◆ Hosiery Products Like Vests, Briefs, Shirts & Nylon Cotton Knitting
- ◆ Jeans and Jackets (Denim)
- ◆ Jeans Cotton's Casual & Shirts
- ◆ Jeans, Shirts & Trousers
- ◆ Jacquard Fabrics

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

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Jute Yarn, Sutti & Hessian Cloth Weaving (Integrated Unit)
- ◆ Knitted Fabric
- ◆ Ladies Under Garment (Bra & Painty)
- ◆ Mattress/Bedding (Automatic Machine)
- ◆ Mfg. of Jeans, Trousers, T Shirts, & Kids Garments
- ◆ Neck Tie
- ◆ Non-Woven Carpets Cladded with Polyester Fibre
- ◆ Open End Spinning Mill
- ◆ Polyester Yarn from Waste
- ◆ Polypropylene Multifilament Yarn
- ◆ Printed Shopping Bags
- ◆ Ready Made Garment (EOU)
- ◆ Readymade Garment (Trousers)
- ◆ Readymade Garments & Hosiery
- ◆ Readymade Salwar Suit (Ladies)
- ◆ Sanitary Napkins
- ◆ Sanitary Napkins & Baby Diaper
- ◆ Sanitary Napkins (Imported Automatic Plant)
- ◆ Sewing Thread Reels and Balls Making Industry
- ◆ Shirts (Woven) & Jeans Unit
- ◆ Shoe Laces
- ◆ Silk Reeling Unit
- ◆ Socks Knitting [EOU]
- ◆ Spinning & Carding of Wool in to Yarns
- ◆ Spinning Mill
- ◆ Surgical Bandages
- ◆ Surgical Cotton
- ◆ Surgical Cotton & Bandage
- ◆ Tags for Readymade Garments
- ◆ Terry Towels
- ◆ Textile Bleaching, Dying and Finishing
- ◆ Textile Carpet Woollen Dyeing
- ◆ Textile Dyeing Auxiliaries
- ◆ Textile Fabric Coating By LDPE in One Side with Embossing
- ◆ Textile Fabric with Sides Coating By LDPE
- ◆ Textile Printing (Pigment Binder)
- ◆ Textile Weaving Plant
- ◆ T-Shirts & Baniyans
- ◆ Underwear Garment Ganji, Jangia
- ◆ Viscose Rayon
- ◆ Viscose Filament Yarn
- ◆ Viscose Rayon Yarn from Cotton Linters
- ◆ Woollen Dyeing
- ◆ Woollen Hosiery
- ◆ Woollen Sweaters
- ◆ INFOTECH PROJECTS
- ◆ Business Process Outsourcing (BPO)
- ◆ Call Centre (Domestic)
- ◆ Call Centre (International)
- ◆ Computer Education Institute
- ◆ Computer Training Institute
- ◆ Computer Software (EOU)
- ◆ Cybercafe-Internet Browsing
- ◆ Cyber Park
- ◆ E-Commerce
- ◆ Information Technology (I.T.) Training Centre
- ◆ Internet Service Provider
- ◆ IT Park
- ◆ Medical Transcription Centre
- ◆ Online Shopping Mall
- ◆ Portal
- ◆ INKS & STATIONERY PRODUCTS
- ◆ Ball Pen Ink Remover
- ◆ Ball Pen Manufacturing
- ◆ Ball Point Ink
- ◆ Ball Point Pen Refills
- ◆ Chalk Crayon Industry
- ◆ Colour Wax Crayons
- ◆ Computer Stationery
- ◆ Dust Free Chalk Made By Calcium Carbonate
- ◆ Exercise Note Book, Register, Pads
- ◆ Flexo Graphic Ink
- ◆ Flexo Gravure Printing Ink
- ◆ Hologram Sticker - 3D
- ◆ Indelible Election Ink (from Silver Nitrate)
- ◆ Ink for Hot Stamping Foil
- ◆ Lead Pencils
- ◆ One Time Carbon
- ◆ Painting Brush
- ◆ Plastic Files & Its Smaller Components
- ◆ Printing Inks
- ◆ School Chalk
- ◆ Screen Printing Ink
- ◆ Slate Pencils
- ◆ Stamp Pad & Stamp Inks
- ◆ Staple Pin
- ◆ Tailors Chalk
- ◆ Toner Ink for Xerox M/C
- ◆ Wax Crayon
- ◆ JUTE & JUTE BASED PROJECTS
- ◆ Gunny Bags (Jute Bags)
- ◆ Gunny Bags from Jute
- ◆ Jute Ropes/Sutti
- ◆ Jute Shopping Bags
- ◆ Jute Tarfelt
- ◆ Jute Twine (Jute Rope) Cum Gunny Bag Mfg. from Raw Jute
- ◆ Particle Board from Jute Stick
- ◆ Paper and Paper Board from Jute Sticks
- ◆ Mini Paper Plant from Jute Sticks
- ◆ MECHANICAL ENGINEERING AND AUTOMOBILE INDUSTRIES
- ◆ Alloy Steel Casting
- ◆ Alloy Steel Long Product Market & Alloy Steel Seamless Pipes
- ◆ Alumina from Bauxite (By Calcination Process)
- ◆ Alumina from Gibbsite Variety
- ◆ Alumina to Aluminium & Mfg. of Profiles
- ◆ Activated Alumina
- ◆ Activated Alumina Balls
- ◆ Agriculture Implements
- ◆ Air Cooler
- ◆ Air Filter for All Type of Auto Vehicles
- ◆ Air Pressure Gauge (Dial Gauge)
- ◆ Aluminium Alloy
- ◆ Aluminium Beverages Cans
- ◆ Aluminium Blind Rivets & Metal Clips
- ◆ Aluminium Bottles Cold Extrusion of Aluminium
- ◆ Aluminium Building Hardware
- ◆ Aluminium Caps
- ◆ Aluminium Channels, Beading & Pipes
- ◆ Aluminium Circle
- ◆ Aluminium Collapsible Tubes
- ◆ Aluminium Containers
- ◆ Aluminium Extrusion Plant
- ◆ Aluminium Finished Articles (Job Work)
- ◆ Aluminium Foil
- ◆ Aluminium from Alumina
- ◆ Aluminium Gravity Casting
- ◆ Aluminium Ingots from Aluminium Scrap
- ◆ Aluminium Ingots from Bauxite
- ◆ Aluminium Powder
- ◆ Aluminium Pressure Die Casting
- ◆ Aluminium Sheet, Circles & Vessels
- ◆ Aluminium Utensils
- ◆ Aluminium Utensils & Circles
- ◆ Aluminium Wire Drawing & Super Enameling for Winding
- ◆ Aluminium Wire Drawing
- ◆ Aluminium Rolling Mill
- ◆ Aluminium & Copper Cable Lugs
- ◆ Aluminium Aerosol Cans
- ◆ Aluminium Alloy from Virgin Metal/Ingot/Billet
- ◆ Aluminium Alloy from Scrap & Virgin Metal
- ◆ Aluminium Angles, Channels, Doors & Windows
- ◆ Aluminium Beverage Can Making Plant
- ◆ Aluminium Bottle Caps
- ◆ Aluminium Bottle Cold Extrusion
- ◆ Aluminium Cans for Brewery Industry
- ◆ Aluminium Cladding (Construction)
- ◆ Aluminium Collapsible Tubes (Printed)
- ◆ Aluminium Extrusion
- ◆ Aluminium Extrusion for Pipe Accessories & Building Hardware
- ◆ Aluminium Furniture
- ◆ Aluminium Paint
- ◆ Aluminium Power Cables
- ◆ Aluminium Pressure & Gravity Die Casting
- ◆ Aluminium Printing Plates for Offset Printing Machine
- ◆ Aluminium Ps (Pre-Sensitised) Plates
- ◆ Aluminium Secondary Billet Casting Plant
- ◆ Aluminium Slug (Used for Collapsible Tube Containers)
- ◆ Aluminium Wire Drawing & Wire Mesh
- ◆ A.P.I. Tubes
- ◆ Assaying Gold
- ◆ Automatic Nut & Bolts Plant
- ◆ Auto Brake Liner
- ◆ Auto Bulb / Lamp
- ◆ Auto Control Cables
- ◆ Auto Head Light
- ◆ Auto Leaf Spring
- ◆ Auto Wires for 3/2 Wheelers
- ◆ Automatic Ignition Coil
- ◆ Automatic Vending M/C for Hot & Cold Beverages
- ◆ Automised Aluminium Powder
- ◆ Automobile (Four Wheelers)
- ◆ Automobile Battery
- ◆ Automobile Brake Shoe
- ◆ Automobile Bushes
- ◆ Automobile Gaskets
- ◆ Automobile Gear
- ◆ Automobile Industry (Four Wheelers)
- ◆ Automobile Parts (Maruti Vehicles)
- ◆ Automobile Piston Rings
- ◆ Automobile Products (Processing Metal & Auto Part)
- ◆ Automobile Radiators
- ◆ Automobile Tyre for Bus, Truck & Lorry
- ◆ Automobile Tyre, Tubes & Flaps
- ◆ Automobile Work Shop/Garage & Service Station
- ◆ Automotive Filters
- ◆ Automotive Wiring Harnesses
- ◆ Ball Bearing
- ◆ Ball Bearing Industry
- ◆ Battery for Auto Vehicles
- ◆ Battery Plate
- ◆ Battery Plate & Assembly
- ◆ Beneficiation of Chromium, Nickel & Manganese Ore
- ◆ Beneficiation of Manganese Ore
- ◆ Bentonite (Quarrying, Processing & Exporting)
- ◆ Bicycle Plant
- ◆ Billets from Steel Scrap by Electric Furnace
- ◆ Bimetal Bushes with Powder Based Metallurgy
- ◆ Bicycle Assembly
- ◆ Bicycle Chain
- ◆ Bicycle Manufacturing
- ◆ Bicycle Rim
- ◆ Black and Annealed Wire
- ◆ Black Bar to Bright Steel Bar
- ◆ Black Pipe Galvanizing Plant
- ◆ Body Building (Truck & Bus)
- ◆ Brass & Aluminium Hinges
- ◆ Brass and Copper Tube
- ◆ Brass Casting Pollution Control
- ◆ Brass Door, Window Fittings
- ◆ Brass Novelty
- ◆ Brass Pressure Die Casting
- ◆ Brass Rolling Sheets
- ◆ Bright Bars
- ◆ Bright Bar (S.S.)
- ◆ Building Hardware of Aluminium
- ◆ C.I. Casting Foundry
- ◆ C.I. Casting (Foundry) By Induction Furnace
- ◆ C.N.G. Cylinders (Storage for C.N.G. Gas)
- ◆ C.P. Bathroom Fittings
- ◆ Calcined & Activated Alumina
- ◆ Carbide Tips/Inserts/Indexable
- ◆ Carbon Brush, Brush Holder Slipping
- ◆ Carbon Brushes
- ◆ Carburator
- ◆ Cargo Containers (for Ship & Train)
- ◆ Cable Creeping Lugs, Socket & Cable Creeping Tools
- ◆ Calcined Bauxite
- ◆ Cast Iron & S.G. Iron Castings
- ◆ Chemical Etching of Stainless Steel
- ◆ Ceramic Foam Filters (Metallic Based).
- ◆ Chains (Bicycle, Scooter, Motorcycle, Moped)
- ◆ Clean Room (Modular Panels) for Pharmaceutical
- ◆ Clutch Lining for Four Wheeler
- ◆ Clutch Plate for Two Wheeler
- ◆ Clutch, Clutch Plate & Assembly for Four Wheeler
- ◆ Cold Rolled Pressed Steel Doors & Windows
- ◆ Cold Rolling of M.S. Strips/Sheet
- ◆ Cold Rolled Stainless Steel Plant
- ◆ Cold Rolling of Steel Strips
- ◆ Composite Carbon Fibre
- ◆ Composite Container
- ◆ Composite Steel Re-Rolling Mill
- ◆ Continuous Copper Rod (CCR) from Copper Scraps
- ◆ Continuous Electro Galvanizing Cold Dip Process of Steel Strip
- ◆ Control & Precision Instrumentation
- ◆ Cooling Tower
- ◆ Copper Foil
- ◆ Copper Powder
- ◆ Copper Powder & Aluminium Powder
- ◆ Copper Rod from Copper Scraps
- ◆ Copper Strip Coils from Scraps
- ◆ Copper Utensils
- ◆ Copper Wire Bars or Rods from Copper Scraps
- ◆ Copper Wire Drawing
- ◆ Copper Wire Drawing & Enamelling
- ◆ Copper Wire Drawing, Anealline & Enamelling
- ◆ Decoiler and Sheet Shearing Plant
- ◆ Diamond & Gem Cutting/Polishing (All Automatic Machinery)
- ◆ Diamond Blade
- ◆ Diamond Tools & Wheels
- ◆ Die Making for Sheet Metal Working
- ◆ Diesel Engine Repairing
- ◆ Different Types of Fire Extinguishers
- ◆ Disposable Needles & Syringes
- ◆ Drip Irrigation System
- ◆ Drum & Barrels (35 To 200 Ltrs.)
- ◆ E.R.W. Steel Conduit Pipes
- ◆ Earth Moving Equipment
- ◆ Electric Arc Furnace
- ◆ Electrical Stamping
- ◆ Electronic Horn for Automobile
- ◆ Fasteners (Nuts, Bolts, Rivets)
- ◆ Fasteners (Nuts Bolts, Rivets & Washers)
- ◆ Ferrite Magnets

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

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Filter (Micro Filter Inserts for Automobile)
- ◆ Filter for All Vehicles
- ◆ Fire Extinguisher
- ◆ Fire Fighting Equipments
- ◆ Fire Extinguishers (Different Types)
- ◆ Flush Doors
- ◆ Forging Unit
- ◆ Forging Unit (General)
- ◆ Foundry Sand (Non Ferrous Metal)
- ◆ G.I. Wire from H.B. Wire
- ◆ G.I. Sheet (Plain & Corrugated)
- ◆ Galvanised Iron Strips
- ◆ Galvanising of Cans for Gardening
- ◆ Galvanising of Zinc (Electrical Process)
- ◆ Galvanising of Zinc (Hot-Dip Process)
- ◆ Galvanising Plant
- ◆ Garden Tools & Fencing Accessories
- ◆ Gas Detectors of L.P.G.
- ◆ Gas Welding Torch & Nozzles
- ◆ Gold Silver Jewellery
- ◆ Gold & Platinum Jewellery Manufacturing with Die-Casting
- ◆ Graphite Carbon Plate
- ◆ Graphite Crucibles
- ◆ Graphite Electrode for Arc Furnace
- ◆ Grinding Media Ball
- ◆ Hand Pump Mark-II Unit
- ◆ Hand Tools (E.O.U.)
- ◆ Handle for Bucket
- ◆ Helmet
- ◆ Hot Dip Galvanizing
- ◆ Hot Roll Steel Bar Mill
- ◆ Hydraulic and Pneumatic Items
- ◆ Hydraulically Regulated Doors Closer (Everest Type)
- ◆ Induction Furnace Re-Rolling Unit
- ◆ Industrial Valve
- ◆ Investment Casting
- ◆ Iron Powder (Cast)
- ◆ Iron Powder from Mill Scale Scrap
- ◆ Jail for Fan [Fan Guard] [Metalic] Automatic Plant
- ◆ Kitchen Sinks (Stainless Steel)
- ◆ Kudali, Fawra, Gaiti, Belcha
- ◆ L.P.G. Cylinder & Regulator
- ◆ L.P.G. Cylinders
- ◆ L.P.G. Regulators (Domestic Purpose)
- ◆ L.P.G. Stove
- ◆ Laminated Tube (Multilayer)
- ◆ Lead Metal from Lead Ore
- ◆ Link Chain
- ◆ Locks (Aligarh Type)
- ◆ M.S. and S.S. Weld Mesh
- ◆ M.S. Binding Wires
- ◆ M.S. Hinges
- ◆ M.S. Ingots (Mini Steel Plant) 5 MT Induction Furnace
- ◆ M.S. Pipe from Strips
- ◆ M.S. Winding Wire & Annealing
- ◆ Magnet
- ◆ Material Handling Equipments
- ◆ Measuring Tapes
- ◆ Mechanical Toys
- ◆ Metal Container for Packaging
- ◆ Metal Drums & Barrels 25 To 200 Liters
- ◆ Metal Hardening
- ◆ Metallic Drum (Used for Oil Storage)
- ◆ Micro Filters for Automobile
- ◆ Micro Irrigation System
- ◆ Mild Steel Flat Bar, Square Pipes & Tubes
- ◆ Mini Steel Plant (25-T UHF Electric Arc Furnace & Hot Rolling Mill)
- ◆ Mini Steel Plant (Ingot from Ore)
- ◆ Mini Steel Plant with Production of Bar
- ◆ Muffler & Silencer Pipes for Four Wheelers
- ◆ Non-Stick Cookwares
- ◆ Non-Stick Kitchen Ware
- ◆ Nut & Bolts (Cold Formed Steel Fasteners)
- ◆ Nut and Bolts (Mild Steel)
- ◆ Oil Seals
- ◆ Open Top Sanitary Cans for Food, Pesticides, Paint
- ◆ P.P. Caps (Aluminium)
- ◆ Pad Locks/Door Locks
- ◆ Pig Iron
- ◆ Puffer Proof Caps
- ◆ Puffer Proof Crown Caps
- ◆ Piston Assembly (Aluminium Alloy)
- ◆ Piston for Internal Combustion Engine
- ◆ Piston-Rings for IC Engines (Cast Iron)
- ◆ Plant Protection Equipment
- ◆ Plastic Cladded Aluminium Squeeze Tube
- ◆ Press Steel Doors & Window
- ◆ Pressure Die-Casting
- ◆ Printed (Multi Colour) Tin Container (Air Tight)
- ◆ Printed Tin Containers
- ◆ Railway Air Break
- ◆ Razor Blade
- ◆ Refrigeration Strand Various Model
- ◆ Re-Rolling Mill for Sayria & Twisting Rod
- ◆ Re-Rolling Mill for Tor Steel
- ◆ Resin Cored Soldering Wire
- ◆ Rice Huller
- ◆ Rock Drill Bits
- ◆ Rolling Mill with Furnishing Plant
- ◆ Rolling, Bearing & Forging of Outer/ Inner Rings
- ◆ Rubber Auto Parts
- ◆ Rubbing Compound for Automobile
- ◆ S.G. Iron Casting & Malleable Iron Casting
- ◆ S.S. Alloy Steel Casting
- ◆ S.S. Bright Bars & Wire Mfg.(Cold Drawn Process)
- ◆ S.S. Cutlery
- ◆ Safety Helmet
- ◆ Safety Pin, Paper Pin, Gem Clips
- ◆ Sandwiched Bottom (Al- Alloy & S.S.) Utensils
- ◆ Seamless M.S. Tube & Pipes
- ◆ Selenium Coated Aluminium Drum Used in Plain Paper Copier
- ◆ Self Taping Steel Screws
- ◆ Sewing Needles (For Use with Domestic/Indl. Sewing M/c.)
- ◆ Silencer for Auto Vehicles
- ◆ Silencer for Two and Three Wheelers
- ◆ Silicone Metal (Cap. 25 MT/A)
- ◆ Sintered Bearing
- ◆ Sintered Bushes
- ◆ Sintered Metal Auto Components
- ◆ Solder Wire & Flux
- ◆ Sponge Iron
- ◆ Sponge Iron with Captive Power Plant (Agro Based)
- ◆ Spring Washers
- ◆ Stainless Steel Cutlery
- ◆ Stainless Steel Fastener (Washer 100% EOU)
- ◆ Stainless Steel Tube
- ◆ Stainless Steel Utensil
- ◆ Stainless Steel Wire Drawing
- ◆ Steel Balls for Ball Point Pen
- ◆ Steel Casting for Railways
- ◆ Steel Containers
- ◆ Steel Drums and Barrels
- ◆ Steel Fabrication Unit
- ◆ Steel Forging for Automobile Parts
- ◆ Steel Furniture
- ◆ Steel Ingot (Furnace)
- ◆ Steel Plant (Blast Furnace)
- ◆ Steel Plant
- ◆ Steel Re-Rolling Mill (Steel Roof & Coil from Scrap)
- ◆ Steel Rolling Mill
- ◆ Steel Safety Pins
- ◆ Steel Shot/Steel Grits
- ◆ Steel Structure Unit
- ◆ Steel Tubes & P.V.C. Pipes
- ◆ Steel Wool
- ◆ Structural Steel
- ◆ Submerged Arc Welded Pipes
- ◆ Submersible Pump Manufacture
- ◆ Super Enamelled Copper Wire
- ◆ Surgical Suture
- ◆ Taper Roller Bearing
- ◆ Thermocole
- ◆ Three Wheelers Manufacturing
- ◆ Torch & Tri-Light Unit (Integrated Plant)
- ◆ Tripod Stands, Tables & Chairs (100% E.O.U.)
- ◆ Tube Making for Umbrella
- ◆ U Bolt & Centre Bolt for Auto leaf Springs
- ◆ Vacuum Metalising Process
- ◆ Vacuum Thermoflask
- ◆ Valve Guide
- ◆ Washerless Faucet (Taps)
- ◆ Watch Straps/Chains/Belt
- ◆ Watch Case Manufacturing Unit
- ◆ Watch Straps/Chains/Bracelets / Belt (Brass & Steel)
- ◆ Welding Brass Rod
- ◆ Welding Electrodes
- ◆ Welding Fluxes
- ◆ Wick Stoves
- ◆ Wick Stoves Stainless Steel
- ◆ Wind Mill
- ◆ Wind Screen Cleaner
- ◆ Wire Mesh (Hexagonal Square)
- ◆ Wire Nail
- ◆ Wire Nail/Wire Drawing
- ◆ Zinc and Aluminium Anode
- ◆ Foundry Marine & Oil Industry
- ◆ MISCELLANEOUS PRODUCTS
- ◆ Advertising Agency
- ◆ Agarbatti (Sticks)
- ◆ Air Taxi (12 Seater)
- ◆ Amusement Park
- ◆ Amusement Park Cum Water Park
- ◆ Ammonia Gas Bottling Plant
- ◆ Artificial Flowers (Paper & Cloth)
- ◆ Artificial Marble Tiles
- ◆ Artificial Flowers
- ◆ Asphaltic Roofing Sheet
- ◆ Auto Workshop/Garage & Service Station
- ◆ Automatic Book Binding Unit
- ◆ Automatic Match Box with Match Stick Wooden & Waxed Strips
- ◆ Bamboo Furniture
- ◆ Bamboo Chips for Paper Mill
- ◆ Bamboo Sticks Used for Agarbatti
- ◆ Bamboo Tooth Picks (Cap. 64 MT/ Annum)
- ◆ Bank (Private Sector)
- ◆ Banquet Hall
- ◆ Batchlor Physiotherapy (BPT College)
- ◆ Bentonite
- ◆ Bentonite (Quarrying, Processing & Exporting)
- ◆ Bidi Manufacturing Unit
- ◆ Body Building (Truck & Bus)
- ◆ Bone Crushing Plant
- ◆ Broom Stick Processing Unit
- ◆ Buttons from Cattle Hoves
- ◆ Buttons from Hoves & Horns
- ◆ Canvas Shoes
- ◆ Carbide Tips/Inserts/Indexable
- ◆ Car-Leasing & Finance
- ◆ Cancer Hospital (50 Beds)
- ◆ Captive Power Plant
- ◆ Captive Thermal Power Plant for Glass Industry
- ◆ China Clay Washing/Purification
- ◆ Cigarettes Unit
- ◆ Cinema Hall
- ◆ Coal Washing Unit
- ◆ Coir Handicraft
- ◆ Coir Industries
- ◆ Cold Storage & Ice Plant
- ◆ Cold Storage
- ◆ Combine Coke
- ◆ Community Hall
- ◆ Composite Carbon Fiber
- ◆ Coal Mining
- ◆ Cricket Ball, Bat
- ◆ Culinary Institute
- ◆ Daily Need Stores
- ◆ Dental College
- ◆ Departmental Stores
- ◆ Diagnostic Centre
- ◆ Diamond & Gem Cutting & Processing Unit
- ◆ Diamond Cutting & Export
- ◆ Dispensary
- ◆ Disposable Cigarette Gas Lighter
- ◆ Dry Cleaners
- ◆ Dry Cleaning and Laundry Unit
- ◆ Dry Dock
- ◆ Dry Flowers
- ◆ Engineering College
- ◆ Expansion Joint Filler
- ◆ Eye Hospital
- ◆ Fast Food Corner
- ◆ Fire Fighting Equipment, Chemicals & Refilling
- ◆ Fire Works
- ◆ Five Star Hotel (Deluxe)
- ◆ Five Star Hotel
- ◆ Five Star Hotels with Shopping Mall, Health Club, Water Park, Amusement Park, Golf Course & Golf Academy, Cottage & Openair Theatre
- ◆ Five Star Hotels, Business Center (Shopping Centre) PVR, Health Club & Banquet Hall
- ◆ Flush Door, Chip Board, Hard Board, Insulating Board
- ◆ Flush Door, Clip Board & Hardboard
- ◆ Games Parlour
- ◆ Gas Filling of L.P.G. Cylinder
- ◆ Gems Manufacturing (Original)
- ◆ Gold & Silver Jewellery
- ◆ Gold Jewellery (100% EOU)
- ◆ Golf Course
- ◆ Handicrafts (Cane & Bamboo)
- ◆ Hard Board from Saw Dust
- ◆ Hawan Samagri
- ◆ Health Club & Beauty Parlour
- ◆ Health Club Cum Beauty Parlour Cum Hair Saloon
- ◆ Heat Chamber Painting
- ◆ Holiday Resorts
- ◆ Holiday Resorts Cum Entertainment Club, 4 Star Hotel
- ◆ Holiday Village Resort
- ◆ Hospital
- ◆ Hospital (20 Beds)
- ◆ Hospital 300 Beds to 700 Beds with Teaching Facility
- ◆ Hospital Bed
- ◆ Hotel
- ◆ Hotel 5 Star
- ◆ Hotel 5 Star, 3 Star, Holiday Resorts
- ◆ Hotel/Small Motel
- ◆ International Standard Laboratories
- ◆ Kids Entertainment Cum Food Centre (Restaurant) in the Mall
- ◆ Laminated Partical Board
- ◆ Laundry
- ◆ Leasing Hire Purchase A/C
- ◆ Local Area Bank
- ◆ Low Ash Metallurgical Coke Plant
- ◆ L.P.G. Cylinder Retesting Unit
- ◆ L.P.G. Cylinder Testing Centre
- ◆ Marketing Arrangement and Distribution Strategy of Wd-40
- ◆ Marketing of Gram Shilpa
- ◆ Match Box (Manual Process)
- ◆ Match Box Plant (Automatic)
- ◆ Medical College
- ◆ Medical College, Hospital & Research Institute
- ◆ Melamine Crockery

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

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Metallurgical Coke Plant Coking Coal
- ◆ Mfg. of Coloured Joint Filler Used for Jointing Tiles
- ◆ Mineral Fillers for Application in Paint, Paper, Rubber, Plastic
- ◆ Mineral Wool
- ◆ Motel/Small Hotel with Banquet Hall, Restaurant & Catering
- ◆ Multiplex Cinema Hall, PVR with Shopping Centre
- ◆ Multistoried Commercial Complex
- ◆ Natural Care Centre
- ◆ Nursery School
- ◆ Nursing Home
- ◆ Old Age Home, Orphan Children Hall & Dharamshala
- ◆ Paint Brush
- ◆ Paint Driers
- ◆ Particle Board & Block Board with Sanding and Laminating
- ◆ Pediatric Hospital 25 Beds
- ◆ Petrol Pump
- ◆ Pharmaceutical College (B-Pharma & D-Pharma)
- ◆ Photo Lab. Cum Studio (100% Computerized)
- ◆ Plaster of Paris Bandages
- ◆ Plywood
- ◆ Plywood & Plyboard
- ◆ Plywood (Phenol Bonded)
- ◆ Pre Laminated Particle Board
- ◆ Puzzles
- ◆ PVC Joint Fillings
- ◆ Q.S.S. Colour Lab
- ◆ Quering of Lime Stone
- ◆ Recreation and Health Club
- ◆ Rehabilitation Centre for Aged & Needy
- ◆ Residential Apartments
- ◆ Residential School (C.B.S.E. Pattern)
- ◆ Restaurant
- ◆ Restaurant/Fast Food Parlour
- ◆ Rock Wool Based on Slag
- ◆ Rubber Wood Processing Plant
- ◆ Saw Mill
- ◆ School
- ◆ School (Secondary School)
- ◆ Shellac Manufacturing
- ◆ Shoe Uppers
- ◆ Slaughter House & Beef Processing
- ◆ Slimming Centre & Health Club
- ◆ Snake Park
- ◆ Sport Shoe (Automatic Imported Plant)
- ◆ Sterilize Bone Meal
- ◆ Straw Board
- ◆ Stuff Toys
- ◆ Sunmica
- ◆ Super Market (Commercial Market)
- ◆ Synthetic Floating to Fishing Industry
- ◆ Synthetic Ruby and Sapphire
- ◆ Teak Wood & Meranti Doors—Solid Semi-Solid Doors
- ◆ Tennis Ball
- ◆ Three Star Hotel
- ◆ Timber (Wood) Seasoning
- ◆ Trading Business (Computer & Related Stationery)
- ◆ Trading Business (Rice, Salt, Dry Fruits)
- ◆ Trading Business (With Packaging Rice, Salt, Pulses)
- ◆ Travelling Agency
- ◆ Venetian Blind
- ◆ Video Film Studio
- ◆ Vocational Training Institute
- ◆ Ware House
- ◆ Water Park
- ◆ Wind Mill
- ◆ Wonder Fuel (Gel Type)
- ◆ Wood Wool Industry
- ◆ Wooden Chips for Supplying to Paper Mills
- ◆ Wooden Doors, Windows, Sheets,
- ◆ TV Cabinet
- ◆ Wooden Furniture
- ◆ Wooden Furniture with Mediocre Automation
- ◆ Wooden Furniture with Seasoning Plant
- ◆ Wooden Needles for Tooth & Wooden Spoon for Ice Cream
- ◆ Wooden Tooth Pick
- ◆ Work Shop for Telco Truck
- OILS & FATS**
- ◆ Anilin Oil By Hydrogenation from Benzene
- ◆ Cardamom Oil
- ◆ Castor Oil (Batch Process)
- ◆ Castor Oil (Extraction & Refining)
- ◆ Castor Oil Derivative Oleoresin
- ◆ Chilli Oil
- ◆ Coconut Oil from Copra
- ◆ Coconut Oil in Containers (Filtration & Airtight Packaging)
- ◆ Corn Oil (Maize Oil)
- ◆ Cotton Seed Oil
- ◆ Cotton Seed Oil (Extraction & Refining)
- ◆ Extraction of Oil from Neem Seed
- ◆ Extraction of Oil from Soyabean & Cotton Seed
- ◆ Extraction of Oil from Tamarind Seed
- ◆ Extraction of Sesame, Rice Bran & Palm Oil
- ◆ Fat Liquor (Sulfated Oil)
- ◆ Garlic Oil
- ◆ Ginger Oil
- ◆ Hydrogenation of Non-Edible Oil
- ◆ Lemon Grass Oil
- ◆ Linseed Oil
- ◆ Maize Oil
- ◆ Margarine/Fat
- ◆ Mahua Oil
- ◆ Neem Oil from Seeds
- ◆ Non-Formal Dye Fixing Oil
- ◆ Palm Oil
- ◆ Patchouli Oil
- ◆ Poppy Seed Oil By Expeller Process
- ◆ Poppy Seed Oil By Solvent Extraction Process
- ◆ Rainbow Colours on Metal
- ◆ Refined Oil (Cotton Seed Ground Nut Oil & Sunflower Oil
- ◆ Refined, Bleached, Palm Oil from Crude Palm Oil
- ◆ Rice Bran Extraction & Refining
- ◆ Rice Bran Oil
- ◆ Rubber Processing Oil
- ◆ Sesame Oil from Sesame Seed
- ◆ Shortening & Liquid Palm (Olien)
- ◆ Solvent Extraction Plant
- ◆ Sun Flower Seed Oil
- ◆ Tejpatta Oil from Tejpatta
- ◆ Turkey Red Oil
- ◆ Turpentine Oil and Rosin
- ◆ Virgin Coconut Oil
- ◆ Wheat Germ Oil
- ◆ Wool Batching Oil
- PAPER & ALLIED PRODUCTS**
- ◆ Absorbent Kraft Paper
- ◆ Amonia Paper
- ◆ Baby Wet Wipes & Facial Wet Tissue
- ◆ Carbonless Paper
- ◆ Card Board Boxes & Cartoons of Paper
- ◆ Card/Gray Board from Pulp & Waste Paper
- ◆ Carton Boxes (Using Duplex Paper Board)
- ◆ Coated Paper & Board Art & Chrom
- ◆ Corrugated Board Box Plant (Printed & Laminated)
- ◆ Corrugated Sheet Board & Boxes
- ◆ Craft Paper & Special Paper
- ◆ Craft Paper from Waste Paper
- ◆ Emery Sand Paper
- ◆ Exercise Note Book & Register
- ◆ Flute Paper from Waste Paper
- ◆ Hand Made Paper
- ◆ Hand Made Paper Using Recycled Hand Made Paper
- ◆ Hard Board from Baggase
- ◆ Kraft Paper & Mill Board from Waste Cartoon Boxes
- ◆ Kraft Paper from Waste Cartoon Boxes
- ◆ Manufacturing of Recycled Paper Products
- ◆ Mini Paper Plant
- ◆ Mini Paper Plant By Waste Paper
- ◆ Mini Paper Plant from Eucalyptus Wood
- ◆ Mini Paper Plant from Jute Sticks, Wheat Husk & Rice Husk
- ◆ Paper & Paper Products
- ◆ Paper (E.C.G. & E.E.G.)
- ◆ Paper and Paper Board from Jute Sticks
- ◆ Paper Bags for General Use
- ◆ Paper Bags for White Cement
- ◆ Paper Board
- ◆ Paper Cones & Tubes
- ◆ Paper Cones & Tubes (Automatic Plant)
- ◆ Paper Cups for Ice Cream
- ◆ Paper Envelopes
- ◆ Paper from Bagasse
- ◆ Paper from Bamboo
- ◆ Paper from Rice Husk & Wheat Husk
- ◆ Paper from Waste Paper
- ◆ Paper from Waste Paper, Bamboo Chips, Rice & Wheat Husk
- ◆ Paper from Wood Pulp & Bamboo
- ◆ Paper Napkin, Facial Paper & Toilet Roll from Tissue Paper
- ◆ Paper Napkins & Air Mail Paper
- ◆ Paper Plate with Silver Lamination
- ◆ Paper Plates
- ◆ Paper Shopping Bag
- ◆ Poly Coated Paper
- ◆ Printed Paper Shopping Bags
- ◆ Pulp from Bamboo & Wood
- ◆ Self-Sealing Paper Envelopes
- ◆ Silicon Release Paper
- ◆ Silicone Coated Paper
- ◆ Straw Board (Automatic Plant) from Rice Husk & Bagasse
- ◆ Sundried Board from Waste Paper & Pulp
- ◆ Tissue Paper
- ◆ Tissue Paper, Toilet Paper & Air Mail Paper Roll
- ◆ Tracing Paper
- ◆ Wall Paper
- ◆ Writing & Printing Paper
- ◆ Writing & Printing Paper Plant
- PESTICIDES, INSECTICIDES & ALLIED PRODUCTS**
- ◆ Aerosol Insecticide Spray
- ◆ Ayurvedic Gamaxane (Using Red Mong)
- ◆ Bagon Spray
- ◆ Bagon Aerosol Spray for Mosquito, Insects
- ◆ Black Phenyl (Rwc 5-6)
- ◆ Copper Oxychloride
- ◆ D.D.T. Powder
- ◆ Mosquito Coil and Mats
- ◆ Mosquito Coils
- ◆ Mosquito Mats and Liquids
- ◆ Mosquito Repellant Candle
- ◆ Mosquito Repellant Liquidator
- ◆ Mosquito Repellant Oil
- ◆ Mosquito Repellant Mats
- ◆ Mosquito Repellant Agarbatti
- ◆ Pesticide Formulation
- ◆ Pesticides
- ◆ Phenyl (Black & White)
- ◆ Phenyl Pine Oil Disinfectants
- PETROLEUM, WAXES & ALLIED PRODUCTS**
- ◆ Anti-Static Lubricating Oil Used for Polyester Fibre Spinning
- ◆ Automatic Candle Making Plant
- ◆ Bees Wax
- ◆ Bitumen Emulsion Cationic Type
- ◆ Bitumen
- ◆ Bituminous Felts for Water Proofing and Damp Proofing
- ◆ Brake Fluids (Dot-3 Type)
- ◆ Brake Oil, Coolant & Packaging of Lubricant Oil & Grease
- ◆ Break Oil
- ◆ Calcined Petroleum Coke
- ◆ Candle Making Plant (Semi Automatic)
- ◆ Candle Making Unit (Automatic)
- ◆ Chloroform (CHCl<sub>3</sub>)
- ◆ Chlorinated Paraffin Wax (CPW)
- ◆ Coal Tar Pitch
- ◆ Coal Tar Distillation
- ◆ Coloured Flamed & Perfumed Candles
- ◆ Coloured Flamed Candles (Red, Blue & Green)
- ◆ Compound Wax from Residual Oil
- ◆ Coolant & Brake Oil
- ◆ Cough Syrup
- ◆ Crude Oil Refinery (Like Gasoline, Diesel, Jet Fuel, LPG, Kerosene & Bitumen)
- ◆ Cutting Oil
- ◆ Feldspar
- ◆ Furnace Oil
- ◆ Grease & Lube Oil from Used Engine Oil
- ◆ Grease Manufacturing
- ◆ Grease Manufacturing (Calcium, Lithium & Sodium)
- ◆ Grease Used for Chasis
- ◆ Jute Batching Oil
- ◆ Liquid Shoe Polish
- ◆ Lube Oil from CNSL Reduce Friction
- ◆ Lubricating Oil & Greases
- ◆ Lubricating Oils & Grease (Blending of Lubricating Oil & Manufacture of Greases
- ◆ Microcrystalline Wax from Sludge of Petroleum
- ◆ Microcrystalline Wax from Sludge of Petrochemical Refinery
- ◆ Mobile Oil (Lube) & Grease
- ◆ Paraffin Wax
- ◆ Poly Ethylene Wax
- ◆ Polyester Polyol Air Foam Mfg. By Using Petroleum Base as Raw Material
- ◆ Reclamation of Transformer Oil
- ◆ Reclamation of Used Engine oil
- ◆ Reclamation of Used Engine Oil By Alkali Refining
- ◆ Reclamation of Wax Sludge for Mfg. of Microcrystalline Wax
- ◆ Refining of Used Engine Oil for Making Base Oil
- ◆ Refining of Used Lubricating Oil
- ◆ Re-Refining of Engine Oil, Transformer Oil & Hydraulic Oil By Thin Film Distillation
- ◆ Re-Refining of Used Lubricating Oils
- ◆ Road Emulsion Bitumen or Modified Bitumen
- ◆ Shoe Polish
- ◆ Silicon Grease & Lubricants
- ◆ Sugar Cane Wax
- ◆ Transformer Oil
- ◆ Turkey Red Oil
- ◆ Wax Floor Polish
- ◆ Wetting Oil (Textile Yarn Wetting Agent)
- ◆ White Oil from Kerosene Oil
- ◆ Wire Drawing Lubricants
- ◆ Wood Polish
- PHARMACEUTICAL DRUGS & FINE CHEMICALS**
- ◆ 16 DPA (16-Dehydropreynolone Acitate)
- ◆ Adhesive Tape for Hospital Use
- ◆ Amoxycillin
- ◆ Ampicillin
- ◆ Aspirin
- ◆ Ayurvedic Churan & Tablets
- ◆ Ayurvedic Pain Balm Ointment

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

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ Ayurvedic Pharmacy (Capsules, Liquid, Oral Ointment, Powder)
  - ◆ Ayurvedic/Herbal Pharmacy
  - ◆ Baby Health Care Food & Milk
  - ◆ Blood Collection Bags
  - ◆ Bulk Drugs
  - ◆ Camphor Tablets
  - ◆ Ciprofloxacin
  - ◆ Cloxacillin
  - ◆ Cotton Buds/Swab
  - ◆ Cough Syrup
  - ◆ Dettol Like Antiseptic Lotion
  - ◆ Dextrose (Monohydrous)
  - ◆ Dextrose 5%
  - ◆ Dextrose Anhydrous, Sorbitol, Vitamin C
  - ◆ Dextrose Injection
  - ◆ Dextrose Powder from Potatoes
  - ◆ Dextrose Saline 5% 10% 2 5 % Solution
  - ◆ Dextrose Saline Solution in Plastic Bottles
  - ◆ Disposable Baby Diaper
  - ◆ Disposable Medical Syringes
  - ◆ Disposable Needles for Syringes
  - ◆ Disposable Plastic Syringes & Needles Tube Plant
  - ◆ Distilled Water
  - ◆ Empty Gelatin Capsules
  - ◆ Gelatin from Bones
  - ◆ Glucose Saline
  - ◆ Herbal Concentrate in the Mfg. of Herbal Drugs & Concentrate
  - ◆ Herbal Extract
  - ◆ Herbal Formulation (Herbal Plant)
  - ◆ Homeopathic Sugar Globules
  - ◆ Homeopathic Medicines
  - ◆ Ibuprofen
  - ◆ Implantable Surgical Suture (Bio Medical Textile)
  - ◆ Injectables for Pharmaceutical
  - ◆ Isabgol Husk
  - ◆ I.V. Bottle (F.F.S. Technology)
  - ◆ I.V. Fluid in Plastic Bottles
  - ◆ I.V. Fluids
  - ◆ L-Ascorbic Acid (Vitamin C) from Lemons
  - ◆ Liquid Glucose from Maize and Maize Oil
  - ◆ Liquid Glucose from Potatoes
  - ◆ Medical X-Ray Film Slitting & Repacking
  - ◆ Medicinal Plant Extract
  - ◆ Metrodiazole
  - ◆ Mother Tincture & Bio Chemic Medicines
  - ◆ Paracetamol
  - ◆ Pentaerythritol
  - ◆ Pharmaceutical Grade Sugar
  - ◆ Pharmaceutical Unit (Tablet, Syrup, Capsules)
  - ◆ Pharmaceuticals (Biotech, Traditional & Generic)
  - ◆ Salicylic Acid/Aspirin
  - ◆ Saline and Injection Water
  - ◆ Sanitary Napkins & Baby Diaper
  - ◆ Starch, Liquid Glucose, Dextrose, Sorbitol
  - ◆ Sulfameth-oxazoline
  - ◆ Surgical Adhesive Tape on Cloth Surface
  - ◆ Surgical Cotton & Bandage
  - ◆ Surgical Suture
  - ◆ Tablet, Capsules, Syrup & Lotion
  - ◆ Tooth Brush & Tooth Powder/Paste
  - ◆ Tooth Paste & Tooth Powder
  - ◆ Trimethoprim
  - ◆ Veterinary Injectable Pharmaceutical Products (Liquid & Powder as per G.M.P.)
  - ◆ Veterinary Medicines (Powder, Tablets & Capsules)
  - ◆ Vitamin E
- PLANTATION**
- ◆ Amla Plantation
  - ◆ Aromatic Plants Cultivation & Processing
  - ◆ Asparagus Cultivation & Processing (100% EOU)
  - ◆ Banana Plantation & Its By Products
  - ◆ Cardamom Cultivation
  - ◆ Coconut Plantation
  - ◆ Coffee Plantation
  - ◆ Eucalyptus Tree Plantation
  - ◆ Ginger Cultivation & Storage
  - ◆ Herbal Medicinal Plant Cultivation & Processing
  - ◆ Herbal Plantation (Medicinal)
  - ◆ Maize Cultivation & Its By Products
  - ◆ Mango Plantation
  - ◆ Mustard Seed Cultivation
  - ◆ Neem Plantation
  - ◆ Palm Tree Plantation
  - ◆ Papaya Cultivation
  - ◆ Papaya Cultivation & Papain Manufacturing
  - ◆ Plantation of Medicinal Plant & Herbs
  - ◆ Poplar Plantation
  - ◆ Rose Plantation & Rose Oil Extraction (Rose Essential Oil)
  - ◆ Rubber Plantation
  - ◆ Saffron Cultivation
  - ◆ Shisham Plantation
  - ◆ Tea Plantation
  - ◆ Teak Plantation
  - ◆ Teak Plantation By Tissue Culture
  - ◆ Turmeric Plantation
- PRINTING & PUBLISHING**
- ◆ Aluminium Printing Plates for Offset Printing Machine
  - ◆ Aluminium PS (Pre-Sensitised) Plates
  - ◆ Automatic Book Binding Unit
  - ◆ Ceramic Transfers (For Printing on Ceramics)
  - ◆ Computer Farms & Security Printing Press
  - ◆ Daily News Paper Press
  - ◆ Desktop Publishing (DTP)
  - ◆ DTP Cum Offset Printing
  - ◆ DTP, E-Mail, Internet & Leased Access for Commercial Purpose
  - ◆ Flexographic & Rotogravure Printing
  - ◆ Flexographic Printing on Polyethylene
  - ◆ Graphic Art Conversion & Packing
  - ◆ Gravure Printing Cylinders
  - ◆ Heat Transfer Label for Rubber
  - ◆ Letter Press Printing Unit
  - ◆ Modern Advertisement Agency with DTP & Film Studio
  - ◆ Multi Colour 8 Page Offset Printing Unit
  - ◆ News Paper Publishing Unit
  - ◆ Offset Printing [Mini]
  - ◆ Offset Printing Press (2 Colour)
  - ◆ Offset Printing Press Single Colour
  - ◆ Offset Printing Press-4 Colour
  - ◆ Photo Polymer Coating for Plate & Block Making
  - ◆ Photo-Emulsion for Rotary Screen Printing
  - ◆ Pre-Sensitised (PS) Plates of Aluminium for Offset Printing
  - ◆ Printing Inks
  - ◆ Printing on Cartoon
  - ◆ Roto Gravure Printing
  - ◆ Screen Printing
  - ◆ Screen Printing Ink
  - ◆ Textile Printing (Pigment Binder)
  - ◆ Writing and Printing Paper
- RUBBER & PLASTIC INDUSTRIES**
- ◆ 100% Polyester Wadding
  - ◆ ABS Granules
  - ◆ Acrylic Latex
  - ◆ Acrylic Sheet & Moulded Products
  - ◆ Acrylic Sheet from Acrylic Waste
  - ◆ Acrylic Tiles (Extruded)
  - ◆ Acrylic Yarn
  - ◆ Acrylic Mirror
  - ◆ Acrylic Sheet
  - ◆ Acrylic Teeth Manufacturing
  - ◆ Air Bubble Packaging
  - ◆ Armoured Cables
  - ◆ Auto Tubes
  - ◆ Auto Tubes & Tyres for Scooter
  - ◆ Automobile Tyres for Bus, Truck, Trolley
  - ◆ Automobile Tyres, Tubes & Flaps
  - ◆ Automotive Tyre Plant (Cap. 5,00,000 Tyre/Annum)
  - ◆ Automotive Radial Tyre Plant for Car & Trucks
  - ◆ Bakelite Electrical Accessories
  - ◆ Bakelite Moulded Products
  - ◆ Bakelite Powder for Electric Goods & Pressure Cooker
  - ◆ Bakelite Sheet (Phenolic Sheet)
  - ◆ Bakelite Sheet (Fabric & Paper Base)
  - ◆ Bare Polyester Film with Metalising & Coating Process
  - ◆ Bicycle Tubes
  - ◆ Bicycle & Motor Cycle Tube
  - ◆ Bicycle Tyres 4000 Pcs./8 Hr.
  - ◆ Blood Bags
  - ◆ Blow Moulding (Plastic Containers)
  - ◆ Blood Collection Bags
  - ◆ Blow Moulded Plastic Products
  - ◆ BOPP Films
  - ◆ BOPP Pressure Sensitive Self Adhesive Tape
  - ◆ Centrifugal Rubber Latex Plant
  - ◆ Closed Cell Nitrile (Silicones Rubber Insulation)
  - ◆ Coir Foam (Rubberised Coir)
  - ◆ Colour Master Batches for Various Plastic
  - ◆ Conveyor Belting
  - ◆ Cross-Linked Polyurethane Foam
  - ◆ Cycle Tyres & Tubes
  - ◆ Disposable Dishes, Knife, Fork & Cutlery
  - ◆ Disposable Examination Plastic Gloves
  - ◆ Disposable Plastic Cup, Glasses
  - ◆ Disposable Plastic Syringes
  - ◆ Epoxy Resin
  - ◆ EVA (Ethylene Vinyl Acetate Sheet & Sole)
  - ◆ Expanded Polystyrene Board
  - ◆ Fiber Reinforced Plastics (FRP)
  - ◆ Fibre Glass
  - ◆ Fibre Glass Industries – Chopped, Stand, Mats & Woven Roving
  - ◆ Fibre Reinforced Plastic Pipes
  - ◆ Field Rubber Converted to the % Latex Rubber
  - ◆ Flexible Office Furniture Systems
  - ◆ Flexible Polyurethane Foam
  - ◆ Foam & its Products as Mattresses, Cushion, Pillows
  - ◆ F.R.P. Boat Building
  - ◆ F.R.P. Products (Fiber Reinforced Plastic Products)
  - ◆ FRP Auto Scooter Roofs/ Ceiling
  - ◆ FRP Sheet & Product
  - ◆ H.D.P.E. Bags (Stitching)
  - ◆ H.D.P.E. Film & Sheets
  - ◆ H.D.P.E. Tarpaulins
  - ◆ H.D.P.E. Woven Sacks/Stitching
  - ◆ Hard Rubber Battery Container
  - ◆ Hawai Chappal
  - ◆ Hawai Chappal & Micro Cellular Sheet Manufacturing
  - ◆ HDPE Container (All Purpose)
  - ◆ HDPE/PP Box Strapping
  - ◆ HM-HDPE Blow Moulded Containers
  - ◆ Hoses (Air-Based-Welding Hoses & Pesticides Spray Pipe)
  - ◆ Hydraulic Hoses and Clamping
  - ◆ I.V. Cannula
  - ◆ Industrial Gloves
  - ◆ Injection Moulded Plastic Products
  - ◆ Intra Venous (I.V.) Sets
  - ◆ L.P.G. Gas Pipe
  - ◆ L.P.G. Valves
  - ◆ Latex Based Adhesive
  - ◆ Latex Foam Rubber (Sponge Rubber)
  - ◆ Latex Rubber Condoms
  - ◆ Latex Rubber Thread
  - ◆ Liquid Storage Tank
  - ◆ LPG Rubber Tube (Pipe) Flexible
  - ◆ Manufacturing of HDPE & LDPE Pipes & Fittings
  - ◆ Medical X-Ray Film Slitting and Repacking
  - ◆ Micro Cellular Sheets (Rubber Sheets for Shoe Soles)
  - ◆ Moulded Luggage
  - ◆ Moulded Shoe & Hawai Chappal
  - ◆ Muffler & Silencer Pipes for Four Wheeler
  - ◆ Multi-Layer Co-Extrusion, 3-Layer Film with Lamination & Printing
  - ◆ Neon Sign Board
  - ◆ Nylon Fish Net
  - ◆ Nylon, Polyester & Polypropylene Rope Making
  - ◆ Nylon Zip Fasteners
  - ◆ Optical Fibre
  - ◆ Patches Tube Repairing Material
  - ◆ PET Bottle
  - ◆ PET Bottles from Pre-Form PET
  - ◆ PET Bottles/Containers
  - ◆ PET Pre-Form from PET Resin
  - ◆ Plastic Buckets, Bottles & Doll
  - ◆ Plastic Buttons from Polyester Sheet & Rod
  - ◆ Plastic Card (Smart Card, Credit Card, Discount Card)
  - ◆ Plastic Cards (Smart Cards) Utilised as Credit Cards
  - ◆ Plastic Collapsible Tube for Tooth Paste & Cream
  - ◆ Plastic Collapsible Tubes & Printing
  - ◆ Plastic Corrugated Sheet & Box
  - ◆ Plastic Fan Guard (Automatic Plant)
  - ◆ Plastic Felt
  - ◆ Plastic Film & Sheet with Printing (Flexo & Roto)
  - ◆ Plastic Granules from Scraps/Waste
  - ◆ Plastic I. V. Bottles
  - ◆ Plastic Mats Extruding & Weaving
  - ◆ Plastic Moulded Furniture
  - ◆ Plastic Moulded Furniture (Chairs)
  - ◆ Plastic Moulded Products
  - ◆ Plastic Moulded Toys
  - ◆ Plastic Office Products
  - ◆ Plastic Processing Moulds
  - ◆ Plastic Sequence
  - ◆ Plastic Spectacle Frame
  - ◆ Plastic Sutili
  - ◆ Plastic Tooth Picks
  - ◆ Plastic Toys
  - ◆ Plastic Water Storage Tank (H.D.P.E.) (Syntex Type)
  - ◆ Poly Propylene Measuring Cup
  - ◆ Polyester Film
  - ◆ Polyester Polyol Air Foam By Using Petroleum Base as Raw Material
  - ◆ Polyester Resin
  - ◆ Polyethylene Tarpaulin (PE Tarpaulin)
  - ◆ Polythene Bags
  - ◆ Polythene Bags and Automatic Printing
  - ◆ Polythene Pouches for Ghee, Butter, Milk and Oil
  - ◆ Polythene Printed Bags
  - ◆ Polyurethane Foam & Its Products
  - ◆ Polyurethane Foam (Flexible)
  - ◆ Polyurethane Pipe Section, Slab Panels, Rigid Foam, Moulding
  - ◆ Polyurethane Product (Rigid & Moulded)
  - ◆ Polyvinyl Alcohol Film (Cold Water Soluble)
  - ◆ PP Bottle
  - ◆ PU Foam (Polyurethane Foams)
  - ◆ PVC (HDPE) Water Storage Tank

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

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## SELECTED PROJECTS FOR RIGHT INVESTMENT

- ◆ PVC Bottles
  - ◆ PVC Coating on G.I. Wire
  - ◆ PVC Compound from PVC Resin
  - ◆ PVC Compounding
  - ◆ PVC Conduit Pipe (Electrical)
  - ◆ PVC Extrusion Profile (Wiring Channel)
  - ◆ PVC Film
  - ◆ PVC Flexible Pipe
  - ◆ PVC Footwear
  - ◆ PVC from Ethanol
  - ◆ PVC Granules & Rigid Pipes
  - ◆ PVC Granules, Film & Bag (Printed)
  - ◆ PVC Hand Gloves
  - ◆ PVC Hoses (For Irrigation Purposes)
  - ◆ PVC Lining for Metal Crown Caps
  - ◆ PVC Pipe & Fitting
  - ◆ PVC Profiles (Door, Window and Chairs) Decorative Accessories
  - ◆ PVC Rexene Cloth
  - ◆ PVC Section Hoses
  - ◆ PVC Section Pipe
  - ◆ PVC Sheet
  - ◆ PVC Soles
  - ◆ PVC Tube
  - ◆ PVC Wires and Cables (Flexible)
  - ◆ Recycling of P.E.T.
  - ◆ Rubber (Floor Mat) for Automobile
  - ◆ Rubber Adhesives
  - ◆ Rubber Auto Parts
  - ◆ Rubber Ball for Children
  - ◆ Rubber Band
  - ◆ Rubber Band (Disco Type)
  - ◆ Rubber Baskets
  - ◆ Rubber Belting (V - Belt)
  - ◆ Rubber Compound for Automobiles
  - ◆ Rubber Floor Mat
  - ◆ Rubber Hose Pipe & Rubber Glazing
  - ◆ Rubber Hose Pipe Braided
  - ◆ Rubber Hoses for Automobiles
  - ◆ Rubber Lining & F.R.P. Lining
  - ◆ Rubber Peptizing Agents
  - ◆ Rubber Powder from Waste Tyres
  - ◆ Rubber Process Oil
  - ◆ Rubber Reclamation Industry
  - ◆ Rubber Roller & Ebonite Roller
  - ◆ Rubber Roller for Printing Machine
  - ◆ Rubber Roller for Rice Mill
  - ◆ Rubber Rollers
  - ◆ Rubber Sheet for Automobile
  - ◆ Rubber Sheet for Shoe Soles
  - ◆ Rubber Solution
  - ◆ Rubber Wood Processing Plant
  - ◆ Rubberised Coir Mattresses
  - ◆ Rubberised Cork Sheet
  - ◆ Silicon Rubber
  - ◆ Soft Luggage
  - ◆ Surgical Examination Gloves
  - ◆ Super Plasticizer (Liquid Form)
  - ◆ Synthetic Pearl Coating on Polystyrene Beads
  - ◆ Synthetic Pollen
  - ◆ Synthetic Rubber
  - ◆ Teflon Coating
  - ◆ Teflon Tape
  - ◆ Thermocol Sheet
  - ◆ Thermocol Sheet & Moulded Products
  - ◆ Thermoforming Plant Disposable Glass, Bowles & Plates (Polystyrene as Raw Material)
  - ◆ Tooth Brush
  - ◆ Transparent PVC Blown Film (PVC Rolls) Used for Industry
  - ◆ Tread Rubber Used for Cold Process
  - ◆ Tube Valves
  - ◆ Tyres & Tubes for Scooter & Motorcycle
  - ◆ Tyres Retreading By Cold Process
  - ◆ Tyre Retreading By Hot Process
  - ◆ Tyres Tubes for 2/3 Wheelers, Motor Cycle, Rickshaw
  - ◆ Unsaturated Polyester Resin
  - ◆ Water Proofing System (Polyurethane and Acrylic Based)
  - ◆ XLPE Cables
  - ◆ X-Ray Film
- SOAP & DETERGENTS**
- ◆ Acid Slurry By Manual Process
  - ◆ Blue Detergent Powder
  - ◆ Cleaning Powder (Vim Type)
  - ◆ Detergent Cake & Powder
  - ◆ Detergent Cake & Powder (Rin-Type)
  - ◆ Detergent Powder & Cake (Fena Type)
  - ◆ Detergent Powder (Nirma Type)
  - ◆ Detergent Washing Powder (Ariel Type)
  - ◆ Fena Type Detergent Powder & Cake
  - ◆ Floor Cleaner
  - ◆ Glycerin Bath Soap (Pears Type)
  - ◆ Hard Oil Soap
  - ◆ Liquid Detergent
  - ◆ Liquid Detergent for Wool
  - ◆ Metal Polish Soap
  - ◆ Soap Coated Paper
  - ◆ Softener (Cationic, Anionic, & Non Ionic)
  - ◆ Talcum Powder & Compact Powder for Face
  - ◆ Toilet & Herbal Soap
  - ◆ Toilet Closet Cleaner
  - ◆ Toilet Soap
  - ◆ Utensil Cleaning Bar
  - ◆ Washing and Laundry Soap
  - ◆ Washing Powder & Soap (Nirma Type)
- WEALTH FROM WASTE PRODUCTS**
- ◆ Acrylic Sheets from Acrylic Scraps
  - ◆ Activated Carbon from Rice Husk, Saw Dust
  - ◆ Basic Chromium Sulphate from Waste Sulfur Dioxide
  - ◆ Bio Coal Briquettes from Agriculture
  - ◆ Bio Fertilizer from Cow Dung & other Waste
  - ◆ Bricks from Fly Ash
  - ◆ Bricks from Stone Dust
  - ◆ Charcoal Powder from Rice Husk
  - ◆ Caffeine from Tea Waste
  - ◆ Carbon Black from Fertilizer Waste
  - ◆ Cement from Rice Husk
  - ◆ Coir Pith
  - ◆ Cotton from Waste Yarn
  - ◆ Extraction of Lead from Lead Waste
  - ◆ Fixture Bleach Obtained from Flute Paper from Waste Paper
  - ◆ Gelatin from Bones
  - ◆ Hard Board from Bagasse
  - ◆ Kraft Paper from Waste Cartoon Boxes
  - ◆ Kraft Paper from Bagasse
  - ◆ Lead Recovery from Scrap Battery
  - ◆ Manufacturing of Recycling Paper Products
  - ◆ Mini Paper Plant from Waste Paper
  - ◆ Municipal Garbage Treatment Plant
  - ◆ Nickel Catalyst of Vanaspati Industries
  - ◆ Nicotine from Tobacco Waste
  - ◆ Ossein from Bones
  - ◆ Oxalic Acid from Vegetable Waste
  - ◆ Oxalic Acid from Paddy Husk
  - ◆ Oxalic Acid from Saw Dust
  - ◆ Paper from Waste Paper
  - ◆ Particle Board from Agro Waste & Sugarcane Bagasse
  - ◆ Particle Board from Jute Waste
  - ◆ Particle Board from Saw Dust
  - ◆ Pectin from Orange/Lime Peels
  - ◆ Plastic Granules from Plastic Waste
  - ◆ Polyester Yarn from Waste
  - ◆ Power Generation from Agriculture Waste
  - ◆ Reclamation of Automobile Batteries
  - ◆ Reclamation of Nickel from Spent
  - ◆ Reclamation of Rubber
  - ◆ Reclamation of Transformer Oil
  - ◆ Reclamation of Used Bleaching Earth
  - ◆ Reclamation of Used Engine Oil
  - ◆ Reclamation of Wax Sludge for Manufacturing of Micro-Crystalline Wax
  - ◆ Reconditioning of Empty Cement Jute Bags
  - ◆ Reconditioning of Fluorescent Tubes
  - ◆ Reconditioning of Oil Drill Rods
  - ◆ Reconditioning of Picture Tube
  - ◆ Recovery of Nylon from Nylon Waste
  - ◆ Recovery of Silver from Waste fixer Bleach Obtained from Photo-Colour Lab & X-Ray Film, Cinema Film & Waste Hypo Solution By Sulphide Process
  - ◆ Recovery of Silver Nitrate from Ash
  - ◆ Recovery of Zinc Metal from Zinc Ash
  - ◆ Recycling of Cellulose Acetate
  - ◆ Recycling of Computer Waste
  - ◆ Recycling of Polythene and other Products
  - ◆ Recycling of PVC Scrap
  - ◆ Refining of Used Lube Oil
  - ◆ Rubber Powder from Used Tyres
  - ◆ Rubber Powder from Waste Tyres
  - ◆ Silicone from Rice Husk
  - ◆ Silver Extraction from Waste Hypo Solution
  - ◆ Sodium Hydrochloride from Waste Chlorine Gas
  - ◆ Sundrid Board from Waste Paper & Pulp
  - ◆ Tomato Product Manufacturing
  - ◆ Tomato Pulp
  - ◆ Turmeric Powder
  - ◆ Vanaspati Ghee
  - ◆ Vegetable Margarine Plant
  - ◆ Vegetable Oil (Refined)
  - ◆ Vinegar
  - ◆ Virgin Coconut Oil
  - ◆ Wheat Puff



## SELECTED PROJECTS FOR YOU

### CEMENT WATER PROOFING COMPOUND

Water seepage is a major problem in construction industries particularly when the buildings are constructed in the damped environment. A large number of water proofing compounds containing hydrophobic groups are used. Majority of such compounds block the pores at the outer surface but do not affect the pores inside. Due to percolation of water inside, the outer surface is ruptured in due course of time. Because of this, number of harmful ions enter inside and make the structure weak and less durable.

Water proofing in buildings is the core requirement for the life of the buildings as well as the quality of the life of the occupants during and before construction we should take measures to the treatment process before construction it should be ensured that the water logging conditions of the site be treated by proper foundation design with adding chemicals to the footings concrete and maintaining proper slope and drainage of the ground area surrounding the building and preferably cavity wall

construction be adopted to prevent dampness inside the building and while roof casting commercial grade calcium chloride should be mixed with the concrete which will give quick setting and water proofing qualities to the roofs and also if proper slope is provided during casting it will also help in the free flow of the storm water without any heavy terracing treatment Using of the cavity wall CC blocks for masonry purpose will also help in the good water proofing as well as less thick plaster on the wall sides which proves to be economic also other factors like Rain water pipes Etc should be diverted to storage tanks for water harvesting that will give us an additional advantage of saving water.

### USES AND APPLICATIONS

Cement water proofing compounds or water repellent agents are widely used in civil construction works. Water proofing compounds are used in the structural and industrial construction works to make them completely impervious to water and water vapour, whether or not the water is under pressure. Their wide range of uses and applications are as follows: Water proofing compounds are used as an important ingredient in the masonry works like dams,

Continue on page 34

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



### Just for starters How to start your own export business (3rd Ed.)

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:978-93-81039-04-5 Price: ₹525 US\$75



### 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. This book helps to find place in such students shall who want to have an insight to the techniques of designing. ISBN:8178330970

Price: ₹325 US\$50



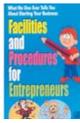
### Just for Starters How to Become a Successful Businessman 3rd Rev.Ed.

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: ₹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 be the important guideline 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 attitudes, 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. Although guidance is available from the various promotional agencies, Consultants etc., the initiative and zeal for setting up of industrial venture must come the entrepreneur himself. 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 march-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. This book give an insight to the products to start with in order to become a part of this growing section of industries with their plant machinery, Raw material requirements as well as market and manufacturing details. 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 and 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 diversify or start new industry. ISBN:978-93-81039-15-1 Price: ₹475 US\$50



### 50 Best Home Businesses To Start with Just 50,000

The most authentic and detailed book containing 21st century's most profitable businesses. The writer has collected important data from many research reports renowned all over the world. In today's context the given businesses have tremendous future prospects. An entrepreneur with a petty amount of Rs.50,000 can start any of businesses given in the present book. A must for all entrepreneurs, students, housewives, unemployed youth, libraries, consultants, schools, universities, education institutes, industries, information centers etc. ISBN:978-81-7833-098-3 Price: ₹425 US\$75



### 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. This very useful publication for new entrepreneurs, professionals, libraries etc. 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 your 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. And you will also find out the challenges and opportunities that running a new business of your own present. You will see how your dream to be your own boss becomes a reality. 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 not 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. This is very helpful book for new entrepreneurs, consultants, libraries etc. ISBN:978-81-7833-060-0 Price: ₹475 US\$75



### Best Businesses You Can Start With (almost) No Cost

When we think of starting a business our main headache is arranging the funds for it. Though we do not know exactly how much we need for a business we want to start. As such there are hundreds of small business which we can just start without worrying for a heavy investment. In the present book many small businesses have been discussed which you can start with almost no cost. Also many more important information, in regard to the government and nongovernment organisations that support entrepreneurship development in our country, have been given. Undoubtedly, this book is a gateway leading you to become your own boss. ISBN:8178330089 Price: ₹325 US\$50



### 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. he book contains processes, project profile, raw material and machinery list with the addresses of their suppliers. The book is very helpful for entrepreneurs, consultants, institutional libraries etc. ISBN:8189579002 Price: ₹475.00 US\$50



### लघु व कुटीर उद्योग ( स्मॉल स्केल इण्डस्ट्रीज )

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## SELECTED PROJECTS FOR YOU

canals etc. Water proofing agents or water repellents is used in structural and industrial works.

### MARKET SURVEY

Among the various varieties of cement, the most commonly used in India is the Ordinary Portland Cement (OPC), which is popularly known as grey cement. Though specialised varieties of cement are gaining popularity, currently their share in the total cement consumption is negligible. The extent of under development of specialised cement used in European countries use some form of construction chemicals, while, in India, the corresponding figure is only 4%. The Indian cement industry is highly fragmented with the top few accounting for more than 50% of the industry capacity. The rest is distributed among the large number of small players. The cement industry in India has come forward as the second largest in the world, showing a total capacity of around 230 MT (including mini plants). However, on account of low per capita consumption of cement in the country (156 kgs/year as compared to world average of 260 kgs) there is still a huge potential for growth of the industry.

### Cost Estimation

Capacity	: 3000 Liters/day
Plant & Machinery	: 24 Lakhs
Total Capital	
Investment	: 419 Lakhs
Rate of Return	: 52 %
Break Even Point	: 33 %

### I.V. FLUIDS (F.F.S. 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.

Fluids are given when someone's body fluid volume falls. There are a number of things which can cause a drop in fluid volume. Vomiting and diarrhea are a classic example, which is why people are encouraged to drink fluids when they are sick, to keep their fluid volume stable. Another cause is blood loss, which causes problems both because people lose blood products, and because they experience a loss in fluid volume. Electrolyte levels in the blood can also become unstable as a result of rapid changes in fluid volume, in which case intravenous fluids can be used to restore the balance.

### USES AND APPLICATION

There are four main ranges of application of highly specialized intravenous infusion solutions: Aqueous isotonic injection (5%) of dextrose is given as intravenous injections to increase the column of circulating blood in the shocks and haemorrhages and to counteract dehydration. When it is desired to replace excessive salt loss also glucose is injected along with sodium chloride, Dextrose solution is used during postoperative period when sodium extraction is reduced, Dextrose solution with concentration of 10-15% are used as diuretic for increase in urine flow, Dextrose solution of 5% normal saline are used for restoring fluid volume in circulation of an emergency as in accidents with haemorrhage.

### MARKET SURVEY

India's traditions in the science of health and healing go back to the halcyon days of Susruta, Vagbhatta and Charaka. Our system of medicine like Ayurveda was well established and schools and hospitals with treatises and instruction manuals were in wide use. I.V. fluid demand is normally linked to the number of hospital beds. Observations show that 18 bottles of I.V. fluids are consumed per bed per month in the country. The demand is estimated to increase at a rate of 9 to 12% per annum. The growth of I.V. fluid manufacturing was faster than the growth rate of drugs. I.V. fluids are the solutions applied directly to the vein of a patient who suffer from the weaknesses due to the deficiency of body fluids. These I.V. fluids are the best alternative, which can yield sudden result in the health of a patient by replenishing the body fluids

### Cost Estimation

Capacity	: 9000000 Nos. Bottles/Annum (Each 1000 ml. Bottles)
Plant & Machinery	: 851 Lakhs
Cost of Project	: 1251 Lakhs
Rate of Return	: 43%
Break Even Point	: 49%

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### The Complete Technology Book on **FINE CHEMICALS**

Fine chemicals are the chemicals which are produced in comparatively small quantities and in relatively pure state. Fine chemicals correspond to a distinct segment of the chemical industry, including low tonnage molecules (typically 10-20 Kt.) Pharmaceutical and Biological Products, Perfumes, Photographic Chemicals and Electronic Grade reagents are examples of fine chemicals. High purity reagents (99.999999% pure) are also classified as fine chemicals. Globally, the fine chemicals industry continues to be very fragmented in spite of some consolidation, partly due to the limited impact of economy of scale on the business. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities, which offer much larger scope for standing out due to an enhanced contribution of technical services and application know how. **₹1100 US\$125**

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### Handbook of **Fine Chemicals, Vitamins, Amino Acids and Proteins**

The aim of this book is to present in a single volume an up to date account of the manufacture of Fine Chemicals, Vitamins, Amino Acids and Proteins. The book includes several new information which comprise important threads in the industry's total fabric. This book contains the constitution and synthesis of the Amino Acids, the Isolation of the Amino Acids from Proteins, the preparation of Amino Acids and Proteins, Vitamins and Fine Chemicals with Method of analysis and reactions etc. **₹1450 US\$150**

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Although many natural materials were used in the past by man, answering his instinctive urges to prevent heat loss from or entry into his dwellings, no material in modern technology has satisfied the all around requirements as has fibre Glass. Fibre glass, optical glass and reinforced plastics have important applications and uses in the making of various products. The present book contains processes and other valuable information for fibre glass, optical glass and reinforced plastics. **₹1275 US\$125**

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This book covers thermosetting, thermoplastic materials and products environment health and future prospects. All plastic and allied products presenting with latest technology, development and manufacturing process including with some profitable plastic project profiles. A part from this, directory section is also included in manufacturers of plastic processing machinery and raw material suppliers with Tel. and Fax Nos. **₹975 US\$100**

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The book has been designed with the idea of blending and integrating basic polymer science and the technology of plastics into a composite structure. This book is an outcome of an endeavour in the direction of polymer and plastic processing. **₹750 US\$100**

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### The Complete Technology Book on **WAX AND POLISHES**

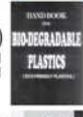
Wax and polishes are used for many purposes. Wax has their principal use in waterproofing. Some other important uses are in candles, polishes, electrical insulation, coatings and carbon paper. There are various types of polishes having industrial and domestic applications. The purpose of this book is to present a comprehensive information of different types of wax and polishes like their processing, properties and uses. **₹1675 US\$150**

### The Complete Technology Book on **Industrial Polymers, Additives, Colourants and Fillers**

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(Recent Developments, Properties, Analysis, Materials & Processes)  
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