



ISSN 09771-7463

POSTAL LICENSE DL(N)/14/2012-14

U(DN)154/2012-14

# ENTREPRENEUR INDIA

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

AN ISO 9001:2008 CERTIFIED COMPANY

₹ 20/- US \$5

Vol. 19

No. 9

September 2013

36 Pages

### HERBAL COSMETICS & AYURVEDIC MEDICINES (EOU)

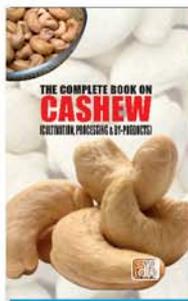


Rs. 1475/- US\$ 150

### HERBAL COSMETICS & AYURVEDIC MEDICINES (EOU)

Herbal cosmetics have been into usage from time immemorial so has been the use of Ayurvedic medicines. Ayurveda which means the complete knowledge for long life has been very popular these days on account of its minimum or zero side effects with considerable power of curing. Similarly herbal cosmetics have been of great value because of the least harm they cause to the skin and the radiance they add to the skin. These days a number of beauty products that are using the herbal formulae and Ayurveda concepts have got lot of attention and have been witnessing a huge rise in demand not only nationally but on international arena. To exploit the knowledge that has got the genesis in our country the book aims to provide you a comprehensive information on different types of herbal Cosmetics formulas. The contents of the book are: Analysis of Creams, Infra-Red Spectrophotometer in Cosmetic Analysis, Infra Red Spectrophotometer in Cosmetic Analysis, Analysis of Creams, Analysis of

Shampoos, Lal Tooth Powder, Bath and Massage Oil, Sun Care/Skin Lightening Compound, Herbal Liver Tonic, Vicks Like Compound, hair oil, Eye Drops, Packaging Criteria for Cosmetics and Toiletries, Cosmetics for Elderly People, Cough Syrup, Colour in Cosmetics, Herbal Liver Tonic, Herbal Formulation, Medicinal Herbs as Cosmetics, Medicinal & Massage Oils, Herbal Cosmetic Cream for Dry Skin, Herbal Deodorant Roll On, Drug Standardization, Guide Lines on GMP, Premises and Equipment Requirements, Aloe Gel, Tablets and Capsule, Sandalwood Oil and Machinery Section. The Second edition of Herbal cosmetics and Ayurvedic medicines (EOU) also includes photographs of machinery and equipments with addresses of their manufacturers. The book in general will be beneficial for entrepreneurs, industrialists, project consultants, libraries and in general all those looking for detail information.



RELEASING SOON

### THE COMPLETE BOOK ON CASHEW (CULTIVATION, PROCESSING & BY-PRODUCTS)

Now a day's horticultural commodities getting export from India, among them cashew retain top position. For cashew cultivation certain parameters such as characteristics of cashew, weather condition, geographical location, propagation - layering, budding and grafting, nature of soil are the main to improve and increase the overall productivity of cashew with suitable planning of efficient water management. This book includes organic farming method of cashew. Cardanol is a phenolic lipid which is the by-product of cashew nut processing. It has several uses and applications in chemistry, chemical industries, additives industries and fuel industries for low sulphur diesel fuel. This book contains the

purification process of CNSL for isolation of cardanol, evaluation of coprocessed CNSL and neem oil as wood preservatives. It also provides a wide idea to their readers about its nutritional value, commercial exploitation, hygiene and safety issues, packaging and preservation, uses, manufacturers and suppliers of machinery of this process. This book also engaged in quality control system, design and development of soft nano materials from CNSL cashew to play a vital role in nano technology. It covers all the area concerned in this field and presents a crystal clear overview on the process and its by-product from all possible aspects.

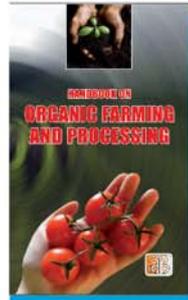


Rs. 1975/- US\$ 200

### THE COMPLETE BOOK ON ELECTROPLATING & ALLIED CHEMICALS

Electroplating is a process that uses electrical current to reduce dissolved metal cations so that they form a coherent metal coating on an electrode. Electroplating is both an art and science. The purpose of this book is to enrich the people with an understanding of the theoretical background to Electroplating and Allied Chemicals, which is essential if the practical results are to be as required. The major contents of this book are Silver - Gold - Copper - Complex salts of copper, silver and gold - Magnesium - Chromium - Platinum group of metals - Nickel - Zinc - Lead - Aluminium - Mercury - Cobalt - Sodium - Sodium chloride - Soda ash - Sodium Sulfate - Glauber salt - Hydrochloric Acid - Sodium silicate - Sodium sulfide - Sodium thiosulfate -

Sodium bisulfate, anhydrous - Sodium hyposulfite - Liquid chlorine - Hydrides of boron - Silicon - Sulfuric acid - Nitric acid - Ammonium nitrate - Hydrazine - Hydrogen cyanide - Melamine - Amines - Aniline - Isocyanates - Phosphorus - Tin - Ferroalloys - Manganese - Antimony - Bismuth - Cadmium - Cerium - Phosphoric acid - Indium - Tungsten - Vanadium - Niobium and tantalum - Molybdenum - Titanium. It also describes different methods of Magnesium extraction, Treating low grade ores, and methods of preparation of Hydrides. This book contains different process flow diagrams. It is an excellent reference for engineers, researchers, practitioners, entrepreneurs and others involved in process.

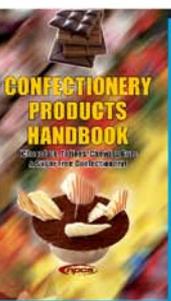


Rs. 1275/- US \$ 125

### HANDBOOK ON ORGANIC FARMING AND PROCESSING

India is an agro based country. So organic farming plays an important role in agro field. The popularity of organic farming is gradually increasing and now organic agriculture is practiced in almost all countries of the world, and its share of agricultural land and farms is growing. As the organic food market continues to expand, so do the opportunities for small farmers. Organic farming has emerged as the only answer to bring sustainability to agriculture and environment. This handbook is a comprehensive guide to growing, certifying, and marketing organic produce. Organic farming is not only a philosophy, but also a well-researched science that combines soil fertility, plant pathology and other biological and environmental sciences. The major contents of this book are Sustainable Agriculture, National Programme on organic farming, Integration with organics and biofertilizers, Bulky organic manures and crop residues,

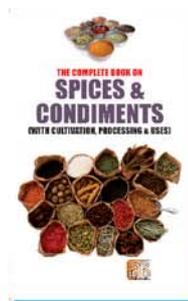
Manuring on sight, Manuring potentials, Green Manuring, Production and promotion of organic fertilizers, Vermil composting, Response of crops to organic fertilizers, Phosphate solubilizing, Bacillus thuringiensis, Crop residue management, Integrated nutrient management towards sustainable agriculture, Integrated farming system, Mechanism of nitrogen fixation, Economics and marketing of organic farming. As we have seen, the booming development taking place in organic farming and marketing offers many opportunities. We will be able to go on contributing to the establishment of organic production systems and this could lead to changes in life style and consumption patterns that will reach far beyond food and nutrition. This book will be very helpful to soil scientists, microbiologists, biologists, students, new entrepreneurs, fertilizer industries, training centers and to all those interested in efficient use and sustainable farming.



Rs. 1975/- US\$ 200

### CONFECTIONERY PRODUCTS HANDBOOK (Chocolate, Toffees, Chewing Gum & Sugar Free Confectionery)

Confectionery manufacture has been dominated by large-scale industrial processing for several decades. Confectionery implies the food items that are rich in sugar and often referred to as a confection and refers to the art of creating sugar based dessert forms, or subtleties (subtlety or sotelty), often with pastillage. This handbook contains Packaging in the confectionery industry, Structure of sugar confectionery, Flavouring of confectionery, Confectionery plant, Ingredients, Quality control and chemical analysis, Medicated confectionery and chewing Gum, Chocolate flow properties, General technical aspects of industrial sugar confectionery manufacture, Manufacture of liquorice paste, Extrusion cooking technology, Manufacture of invert sugar, Marzipan and crystallized confectionery. The manufacture of confectionery is not a science based industry, as these products have traditionally been created by skilled confectioners working empirically. The aim of this handbook is to give the reader a perspective on several processes and techniques which are generally followed in the confectionery industry. The texture and technological properties of confectionery products are to a large extent controlled by its structure. The book is aimed for food engineers, scientists, technologists in research and industry, as well as for new entrepreneurs and those who are engaged in this industry.



Rs. 2275/- US\$ 200

### THE COMPLETE BOOK ON SPICES & CONDIMENTS (WITH CULTIVATION, PROCESSING & USES)

The term spices and condiments applies to such natural plant or vegetable products and mixtures thereof, used in whole or ground form, mainly for imparting flavor, aroma and piquancy to foods and also for seasoning of foods beverages like soups. Usually spices are an ingredient used to season a dish in the meal during its preparation and condiments are for using at the table to enhance the dish as each individual's tastes prefer. The active components in the spices phthalides, polyacetylenes, phenolic acids, flavanoids, coumarines, triterpenoids, serotols and monoterpenes are powerful tools for promoting physical and emotional wellness. Some of the fundamentals of the book are definition of spices and condiments nomenclature or classification of spices and condiments, Indian central spices and cashew nut

committee, origin, properties and uses of spices, forms, functions and applications of spices, trends in the world of spices, yield and nutrient uptake by some spice crops grown in sodic soil, tissue culture and in vitro conservation of spices, in vitro responses of piper species on activated charcoal supplemented media, soil agro climatic planning for sustainable spices production, potentials of biotechnology in the improvement of spice crops, medicinal applications of spices and herbs, medicinal properties and uses of seed spices, effect of soil solarization on chillies, spice oil and oleoresin from fresh/dry spices etc. The present book contains cultivation, processing and uses of various spices and condiments, along with photographs of machinery/equipments with addresses of their manufacturers. The book is an invaluable resource for new entrepreneurs, agriculturists, agriculture universities and technocrats.

# 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



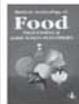
## The Complete Technology Book On SNACK FOODS

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. ₹1475 US\$150

## MODERN TECHNOLOGY OF MILK PROCESSING & DAIRY PRODUCTS 4th 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. ₹1475 US\$150



## 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, 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 Technology 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 3rd 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. ₹1875 US\$150

## 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) (2nd Rev. Edn.)

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. ₹2275 US\$200

## SYNTHETIC RESINS



## The Complete Technology Book on Synthetic Resins With Formulae And Processes

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




**Vol. 19 No. 9**  
**SEPTEMBER 2013**

**EDITOR**  
**AJAY KR. GUPTA**  
D.M.S, M.B.A.  
*Entrepreneurship Management*

**ASSOCIATE EDITOR**  
**P.K. TRIPATHI**

Printed, published & Edited by **Ajay Kr. Gupta** on behalf of **"NIIR PROJECT CONSULTANCY SERVICES"** 106-E, Kamla Nagar, Delhi-7 and Printed at M/s. New Gian Offset Printers, 495, DDA complex, Shahazada Bagh, Delhi-35. Registered RNI No. 61509/95

Postal License **DL(N)/114/2012-14** and Vide U. Licence No. **U(DN)154/2012-14** Licensed to Post without Prepayment at Delhi R.M.S., Delhi - 110 006

# ENTREPRENEUR INDIA

RNI NO. 61509/95

## 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.



### How to Scan QR Code to reach [www.niir.org](http://www.niir.org)

1. Open the Scanner App and point your mobile camera towards the QR Code
2. Auto-focus feature having phone will automatically detect code.
3. For non-Auto-focus phones, press scan to capture QR Code and then it will show the result

## SELECTED PROJECTS FOR YOU

### Synthetic Tannin Powder

#### FOR LEATHER INDUSTRY

The term tannin refers to the use of tannins in tanning animal hides into leather; hence the words tan and tanning for the treatment of leather. However, the term tannin by extension is widely applied to any large polyphenolic compound containing sufficient hydroxyls and other suitable groups (such as carboxyls) to form strong complexes with proteins and other macromolecules.

Synthetic tannins are used in tanneries as replacement to compliment the tanning action made by the natural tanning extracts. They are used as auxiliaries for pre-tanning, re-tanning and combined tanning and as dispersing agents for vegetable tannins and dyestuffs.

Tannins are incompatible with alkalis, gelatin, heavy metals, iron, limewater, metallic salts, strong oxidizing agents and zinc sulfate, since they form complexes and precipitate in aqueous solution.

#### USES & APPLICATIONS

They have a property to tan animal skin to convert to leather or hide.

- Conversion imparts resistance to water, heat and abrasives.
- They can be extracted using water-acetone/ alcohol mixture.
- They have a property to precipitate gelatine & heavy metals.

#### MARKET SURVEY

In the wattle bark trade, one could process stick bark, bale it and sell it, or process wattle bark, extract

tannin and sell it. Sale is normally by export. There are only two companies in East Africa, which extract tannin, namely EATEC AND KTE. These are business concerns that are profit driven. Two other concerns, the sotik wattle bark and the MWB, were the only two other concerns dealing with wattle bark within east Africa. These were owned by farmers and dealt only with processing stick bark and marketing it. The sotik wattle bark company has since gone under and it is only the MWB that remains as the sole flagship of black wattle farmers.

Tannin extract is traditionally produced from black wattle trees but there is now stiff competition from tannin extract produced from chestnut and Quebracho trees from South America. Locally there is stiff competition with synthetic tannin. It is this synthetic tannin that is used by all shoe making companies in Kenya. Synthetic tannin is made using sulphur, which adversely affects the environment, the ozone layers and the users. Synthetic tannin produces poorer quality leather than natural tannin and it is much cheaper than tannin extract from black wattle, which makes the best quality leather.

There are three conventional types or grades of tannin extracts from black wattle. These are:

1. Solid Mimosa Extract.
2. Green sulphited mimosa powder, commonly called GS powder.
3. Spray dried ordinary mimosa powder.

Solid mimosa extract is the cheapest and poorest quality tannin extract. It is made out of stick bark alone. Its demand worldwide appears to be waning and the profit margin is lower than the other two types of tannin extract.

<b>PROCESS TECHNOLOGY BOOKS (Limited Editions)</b>	
Only photostat copy available	
₹ US \$	
<b>Chemical/Jute/Pharma/Drugs/Bio-Tech Hi-Tech Projects</b>	
Detailed Project Profiles on Chemical Industries (Vol. II) 2 <sup>nd</sup> Rev. Edn.	1695/- 150
Detailed Project Profiles on 9 Selected Chemical Industries	1095/- 100
Hand Book on 100% Export Oriented Jute & Jute Products (Eco Friendly Projects)	695/- 100
Investment Opportunity in Drugs & Pharmaceutical Projects	1895/- 150
Bio-Tech & Pharmaceutical Hand Book	1895/- 200
Hand Book on Projects in Export Thrust Area with International Market Survey (Bio-Tech & Pharmaceutical Technology)	1095/- 100
Detailed Project Profiles on Selected Hi-Tech Projects (Project Reports)	795/- 100
<b>Cereal Food/Food &amp; Beverages/Dairy/Plantation/AgroBased/Farming</b>	
Manufacture of Food & Beverages (2 <sup>nd</sup> Edn.)	1895/- 150
Detailed Project Profiles on Dairy & Dairy Products (2 <sup>nd</sup> Edn.)	1495/- 150
Detailed Project Profiles on Plantation (Agro Based Projects)	1095/- 100
Profitable Agro Based Projects with Project Profiles (Cereal Food Technology) (2 <sup>nd</sup> Rev. Edn.)	1895/- 150
Hand Book on Agro Based Industries (2 <sup>nd</sup> Rev. Edn.)	1595/- 150
Profitable Farming & Allied Projects (2 <sup>nd</sup> Rev. Edn.)	1495/- 150

<b>PROCESS TECHNOLOGY BOOKS</b>	
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
* The Complete Book On Electroplating & Allied Chemicals	1975/- 200
<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
* Integrated Organic Farming Handbook	1275/- 125
* Handbook on Organic Farming and Processing	1275/- 125
<b>PRINTING, PACKAGING, PRINTING INK</b>	
* Handbook On Modern Packaging Industries (2 <sup>nd</sup> Revised Edn.)	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) 2nd 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

## SELECTED PROJECTS FOR YOU

Spray dried mimosa powder is the next cheapest tanning extract. It is of higher quality than the solid mimosa extract. Spray dried mimosa powder is made out of stick bark, green bark or the combination of the two. GS powder is the highest quality tannin extract, has the highest demand and the profit margin. It is made only from green bark. The green bark that is used to GS powder must be processed within a maximum of 24 hours after being stripped.

### COST ESTIMATION

Capacity	: 3000 MT/ Annum
Plant & Machinery	: 159 Lakh
Cost of Project	: 506.38 Lakh
Rate of Return	: 25.52%
Breakeven Point	: 53.71%

## Bread Plant

Modern days are changing in every movement with the advance of scientific discovery. Due to the scarcity of time now human being changes their food habits. Nobody can pay much time for their preparation of food; everybody wants to get ready made fresh food, such that one can save time. Consequently, for the need of the modern age, different kind of instant and readymade foods

are developed like instant tea, instant coffee, instant milk, instant rice etc. On the above point of view bakery products are cheaper and are accepted largely as readymade food. Now in the advancement of age, use of bakery foods will gradually increase and utilization of it will be proportional to increased population.

Bread is most consumable wheat-based bakery product. It contains high nutritive value. They are easy to digest and compact in size, therefore, its consumption is increasing day by day.

Indian bakery industry is spreaded over all small scale; large scale and house hold sectors. First bakery in India was set up in 19th century. At present there are 21 units in organized sector and many more in small scale, cottage and house hold sectors.

Breads are manufactured from flour, sugar, salt shortening (one type of fat), dried bakery yeast, vegetables, fruits etc. Bread is manufactured through fermentation and baking process. The manufacturing process and techniques are so simple that they can easily be adopted for production at any level.

### USES & APPLICATIONS

Bakery products in India are now in common use and are no more exclusive to a few households or classes of performs. Even then, unlike advanced



**npcs** **PROCESS TECHNOLOGY BOOKS**

NAME OF BOOKS	₹/US\$
*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>	
* Cultivation Of Fruits, Vegetables And Floriculture	1100/- 125
* 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 (2 <sup>nd</sup> Rev. Edn.)	1875/- 150
* Modern Technology Of Milk Processing & Dairy Products (4 <sup>th</sup> Rev. Edn.)	1475/- 150
* 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) (2 <sup>nd</sup> Revised Edition)	2275/- 200
* 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 (2 <sup>nd</sup> Revised Edition)	1475/- 150
* 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
* The Complete Technology Book on Meat, Poultry and Fish Processing (2 <sup>nd</sup> Rev. Edn.)	1475/- 150
* The Complete Book on Beekeeping and Honey Processing	1075/- 125
* The Complete Technology Book on Alcoholic and Non-Alcoholic Beverages	2575/- 200
* Handbook on Citrus Fruits Cultivation and Oil Extraction	1575/- 150
* Fruits, Vegetables, Corn and Oilseeds Processing Handbook	1675/- 150
* Handbook on Spices and Condiments (Cultivation, Processing and Extraction)	1575/- 150
* Handbook on Fermented Foods and Chemicals	1875/- 150
* Industrial Alcohol Technology Handbook	1675/- 150
* The Complete Book on Wine Production	2275/- 200
* Handbook on Milk and Milk Proteins	1275/- 125
* The Complete Book on Cultivation and Manufacture of Tea	1475/- 150
* The Complete Book on Sugarcane Processing and By-Products of Molasses (with Analysis of Sugar, Syrup and Molasses)	1675/- 150

**PROCESS TECHNOLOGY BOOKS**

(Limited Editions)  
Only photostat copy available

₹ US\$

**Plastics/Paints/Varnishes/  
Automobile/Infrastructure/  
Hospitality, Medical,  
Entertainment, Ware  
Housing & Real Estate  
Projects**

Detailed Project Profiles on Hi-Tech Plastic Products	795/-	110
Manufacture of Paint, Varnish & Allied Products 2 <sup>nd</sup> Rev. Edn.	1495/-	150
Hand Book on Automobile & Allied Products (with Data Bank) 2 <sup>nd</sup> Rev. Edn.	1495/-	150
Investment Opportunities in Infrastructure Projects	2500/-	225
Investment Opportunities in Hospitality, Medical, Entertainment, Ware Housing & Real Estate Projects	4408/-	350
Handbook on Rubber and Allied Products (with Project Profiles)	2295/-	200

You can deposit the amount in  
**NPCS**  
Account with  
**ICICI Bank**  
**CA - 038705000543**  
**HDFC BANK**  
**03392320000423**

**npcs** **SELECTED PROJECTS FOR YOU**

countries where breads are considered basic essentials of a household budget, in India the element of capacity to pay continues to play a significant role. The outlay on bread, thus shares the character of discretionary expenditure rather than expenditure on basic is applicable. This necessity more in the case of biscuits than in the case of other bakery product. Variants of breads such as rusks have also found much acceptable among relatively poor households and workmen but other bakery products such as cakes, pastries, etc. specifically remain as the items of class consumption.

Much attempt is being made to popularize bakery products among all because these products are considered easy, convenient and rather inexpensive means of taking food in hygienically prepared ready to eat form. A particular role in this direction is being played by use of both bread and biscuits as means of nutrition supplementation for large number of children, and locating and nursing mothers who are covered by various feeding programs run by number of social welfare agencies operating both at the state and the central level. It is hoped that with further modernization, with influence of urban consumption pattern, spread of industry and commerce and general change in eating habits shall gradually improve the

share of rural consumption in the total market for bakery products.

**COST ESTIMATION**

Capacity	: 15 Lakh PKTS/annum
Plant & Machinery	: Rs. 69.50 Lakhs
Cost of Project	: Rs. 158 Lakhs
Rate of Return	: 39.38 %
Breakeven Point	: 40.35 %

**Shoe Polish**

**IN AEROSOL FILLING**

Shoe polish (or boot polish), is a waxy paste, cream, or liquid used to polish, shine, and waterproof leather shoes or boots to extend the footwear's life, and restore, maintain and improve their appearance. Various substances have been used as shoe polish for hundreds of years, starting with natural substances such as wax and tallow. Today, shoe polish is usually made from a mix of natural and synthetic materials, including naphtha, turpentine, dyes, and gum Arabic, using straightforward chemical engineering processes. Shoe polish is usually flammable, can be toxic, and, if misused, can stain skin. It should be used in a well-ventilated area

**TERMS  
&  
CONDITIONS**  
(FOR INDIA ONLY)

Send full payment in advance  
by Draft in favour of  
"NIIR PROJECT  
CONSULTANCY SERVICES"  
Delhi. add ₹ 75/- towards  
shipping charge for  
each book

Contact :

  
**NIIR PROJECT CONSULTANCY SERVICES**  
AN ISO 9001 : 2008 Certified Company

106-E, KAMLA NAGAR,  
DELHI - 110 007 (INDIA)  
PH.(O) 91-11-23843955, 23845886,  
23845654 (M) 9811043595  
FAX 91-11-23841561  
E-mail : npcs.india@gmail.com,  
info@niir.org

You can deposit the  
amount in  
**NPCS**  
Account with  
**ICICI Bank**  
**CA - 038705000543**

**HDFC BANK**  
**03392320000423**

 **PROCESS TECHNOLOGY BOOKS**

NAME OF BOOKS	₹/US\$
* Handbook On Organic Farming and Processing	1275/- 125
* Confectionery Products Handbook (Chocolate, Toffees, Chewing Gum & Sgar Free Confectionery)	1975/- 200
* The Complete Book on Foods, Vegetables & Food Processing	1675/- 150
<b>SMALL SCALE INDUSTRY (SSI), ENTREPRENEURSHIP, PROJECT IDENTIFICATION AND PROFILES, HI-TECH PROJECTS, EXPORT BUSINESS, GUIDELINES, SELF EMPLOYMENT, WOMEN ENTREPRENEURSHIP, SMALL, COTTAGE &amp; HOME INDUSTRIES</b>	
* Stop Dreaming - Start Your New Business	400/- 50
* What No One Ever Tells You About Starting Your Business-Facilities And Procedures For Entrepreneurs	400/- 50
* Secrets For Making Big Profits From Your Business With Export Guidelines	400/- 50
* Opportunities For Women Entrepreneurship (With Project Profiles) 2nd Edition	575/- 50
* Laghu V Kuteer Udyog (Small Scale Industries) (In Hindi)	650/- 100
* Laghu V Grih Udyog (Savrigar Pariyogayen) (In Hindi)	600/- 100
* Profitable Small, Cottage & Home Industries	800/- 100
* Select And Start Your Own Industry (4 <sup>th</sup> Revised Edition)	475/- 50
* Just For Starters : How To Start Your Own Export Business ? 3 <sup>rd</sup> Edn.	525/- 75
* Just For Starters : How To Become A Successful Businessman ? 3 <sup>rd</sup> Revised Edn.	475/- 75
* Best Businesses You Can Start With (Almost) No Cost	325/- 50
* 50 Projects To Start With 5,00,000	475/- 75
* Just For Starters: Selected Projects To Start With 30,00,000	475/- 50
* Just For Starters: Selected Projects To Start With 15,00,000	475/- 50
* Just For Starters : Selected Projects To Start With 35,00,000	475/- 50
* Grow Rich By Starting Your Own Business	325/- 50
* 50 Best Home Businesses To Start With Just 50,000	425/- 75
* Profitable Cottage and Tiny Industries	475/- 50
* Profitable Small Scale Industries	475/- 50
<b>FASHION TECHNOLOGY</b>	
* Fashion Technology Handbook	325/- 50
<b>CANDLE: MAKING &amp; DESIGNS</b>	
* The Complete Technology Book On Candle: Making & Designs	650/- 100
<b>PLASTICS, SPECIALITY PLASTICS, FOAMS (URETHANE, FLEXIBLE, RIGID), PET &amp; PREFORM, BIODEGRADABLE PLASTICS, POLYESTER FIBERS, MOULD DESIGNS, PLASTIC FILMS, HDPE AND THERMOSET PLASTICS, MEDICAL PLASTICS, INDUSTRIAL POLYMERS, ADDITIVES, COLOURANTS AND FILLERS, FIBRE GLASS, OPTICAL GLASS AND REINFORCED PLASTICS</b>	
* Modern Technology Of Plastic Processing Industries (2 <sup>nd</sup> Edition)	975/- 100
* Speciality Plastics, Foams (Urethane, Flexible, Rigid) Pet & Preform Processing Technology Handbook	1275/- 125
* Handbook On Biodegradable Plastics (Eco-Friendly Plastics)	600/- 100
* Polymers And Plastics Technology Handbook	750/- 100
* The Complete Book On Biodegradable Plastics And Polymers (Recent Developments, Properties, Analysis, Materials & Processes)	1275/- 125
* The Complete Book On Medical Plastics	975/- 100
* The Complete Technology Book On Expanded Plastics, Polyurethane, Polyamide And Polyester Fibers	1275/- 125
* The Complete Technology Book On Industrial Polymers, Additives, Colourants And Fillers	1100/- 125
* The Complete Technology Book On Polymers (With Processing & Applications)	1100/- 125
* The Complete Technology Book On Plastic Extrusion, Moulding And Mould Designs	1000/- 100
* The Complete Technology Book On Fibre Glass, Optical Glass And Reinforced Plastics	1275/- 125

 **SELECTED PROJECTS FOR YOU**

with care taken to protect clothes, carpet and furniture.

**AEROSOL TYPE SHOE POLISH**

Aerosol-type polishes have been extensively used for polishing shoes, automobiles, household care, etc. Conventionally, an aerosol is prepared by injecting a stock solution and a liquefied propellant gas, which serves to spray the stock solution with a suitable pressure, into a container under a predetermined pressure.

Stock solution is generally prepared by dissolving an effective component in a solvent such as petroleum fraction, alcohol, water and synthetic solvent. The content of such stock solution in an aerosol-type polish composition is normally 55 to 70 % by volume based on the total polish composition.

**USES & APPLICATIONS**

- Instantly shine any smooth leather
- Great for those last minute touch ups.
- Maximum protection for suede and nubuck shoes from stain and water damage
- Allows for quick cleaning of these materials.
- Keeps leather soft, supple, water and stain resistant
- Restores colour to scuffed leather shoes leaving a natural finish.

- Convenient and easy to use.
- Helps prolong the life of footwear.
- A user friendly pump action spray bottle. Ideal for air travel. Can also be used on smooth leather and suede
- Revives and rejuvenates the colour of any black suede or nubuck leather.
- Provides a fresh fragrance. Eliminates unpleasant footwear odours and provides shoes with a fresh aroma.

**MARKET SURVEY**

Increasing consumer awareness towards personal health and hygiene and their growing demand for different products are the major factors which are driving the global market of aerosol. One of the major factors driving the demand for propellants is the steady growth of the global aerosol market. However, various environmental and health risks associated with the use of propellants in aerosol products are expected to be a restraining factor for the market.

Hydrocarbons including propane, n-butane, and iso-butane accounted for over 80% share of the total aerosol propellants market volume in 2012 and are expected to grow at CAGR of 4.5% from 2013 to 2019. Hydrocarbons, due to their lower cost and high compatibility with all the other old and new



PROCESS TECHNOLOGY BOOKS	
NAME OF BOOKS	₹/US\$
*The Complete Technology Book On Plastic Films, HDPE And Thermoset Plastics	1175/- 125
*Modern Technology Of Plastic And Polymer Processing Industries	750/- 100
*Profitable Plastic Industries	250/- 50
*The Complete Book on Water Soluble Polymers	1575/- 150
<b>LEATHER PROCESSING &amp; TANNING</b>	
*Leather Processing & Tanning Technology Handbook	1400/- 150
<b>TEXTILE SPINNING, WEAVING, FINISHING AND PRINTING, PROCESSING WITH EFFLUENT TREATMENT, TEXTILE DYES &amp; PIGMENTS, NATURAL DYES &amp; PIGMENTS, NATURAL FIBERS</b>	
*The Complete Technology Book On Textile Spinning, Weaving, Finishing And Printing	1100/- 125
*The Complete Technology Book On Textile Processing With Effluent Treatment	1000/- 100
*Modern Technology Of Textile Dyes & Pigments	1100/- 100
*The Complete Technology Book On Dyes And Dye Intermediates	1100/- 125
*The Complete Book On Natural Dyes & Pigments	1100/- 125
*Handbook on Natural Dyes for Industrial Applications	1100/- 125
*Natural Fibers Handbook With Cultivation & Uses	1275/- 125
*Woolen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook	1100/- 125
*Handbook on Textile Auxiliaries, Dyes and Dye Intermediates Technology	1575/- 150
*The Complete Book on Textile Processing and Silk Reeling Technology	1750/- 150
*A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology	1675/- 150
<b>ELECTROPLATING, ANODIZING &amp; METAL TREATMENT, POWDER COATING AND METAL FINISHING</b>	
*Electroplating, Anodizing & Metal Treatment Handbook	1475/- 150
*The Complete Technology Book On Electroplating, Phosphating, Powder Coating And Metal Finishing	1100/- 125
<b>RUBBER PROCESSING AND COMPOUNDING</b>	
*The Complete Book On Rubber Processing And Compounding Technology	1575/- 150
*The Complete Book on Rubber Chemicals	1575/- 150
<b>SURFACE COATING, PAINTS, VARNISHES &amp; LACQUERS</b>	
*Modern Technology Of Surface Coating With Formulae & Their Applications	975/- 100
*Paints, Pigments, Varnishes And Enamels Technology Handbook	1100/- 125
*Modern Technology Of Paints, Varnishes & Lacquers 2 <sup>nd</sup> Edn.	1075/- 125
*Handbook on Paints and Enamels	1275/- 125
*Surface Coating Technology Handbook	1475/- 125
*Spirit Varnishes Technology Handbook (with Testing and Analysis)	1275/- 125
*The Testing Manual of Paints, Varnishes and Resins	1875/- 150
*Handbook on Paint Testing Methods	1575/- 150
<b>GUMS, ADHESIVES &amp; SEALANTS, ROSIN &amp; DERIVATIVES, RESINS AND OLEORESINS</b>	
*Gums, Adhesives & Sealants Technology (with Formulae & their Applications) 2 <sup>nd</sup> Revised Edition	1475/- 150
*Adhesives Formulary Handbook	1275/- 125
*Handbook On Speciality Gums, Adhesives, Oils, Rosin & Derivatives, Resins, Oleoresins, Katha, Chemicals With Other Natural Products	1275/- 125
*The Complete Book on Adhesives, Glues & Resins Technology	1450/- 150
*Phenolic Resins Technology Handbook	1275/- 125
*The Complete Technology Book on Industrial Adhesives	1675/- 150

## SELECTED PROJECTS FOR YOU

propellants, are widely used in aerosol products. In addition, they are on the Generally Recognized as Safe (GRAS) list which is another factor expected to drive market growth. With 7.7% share in total volume consumption in 2012, di-methyl ether (DME) was the second largest segment of the aerosol propellants market.

Due to stringent environmental regulations the use of CFC has been phased out from all applications. However a small volume of CFC is still in use as an aerosol propellant and is being traded in the black market. With over 37% share in total volume consumption in 2012, Europe was the leading regional market for aerosol propellants and is expected to grow at a CAGR of 4.0% from 2013 to 2019.

North America was the second largest market for aerosol propellants with 30.7% share in total volume consumption in 2012. Asia Pacific is expected to be the fastest growing region over the next six years, due to rising consumer income, increasing awareness, changing lifestyles and increasing demand for aerosol products.

U.S. was the largest aerosol propellants consuming country in 2012, followed by China and Germany. The global aerosol propellants market was

highly fragmented and consists of a large number of small and medium scale manufacturers. Global Aerosol Propellants Market is expected to Reach USD 23.2 Billion by 2019.

### COST ESTIMATION

Capacity	: 3 Lakh PCS. /annum
Plant & Machinery	: Rs. 12 Lakhs
Cost of Project	: Rs. 48 Lakhs
Rate of Return	: 36.78 %
Breakeven Point	: 41.12 %

## Oxygen Plant

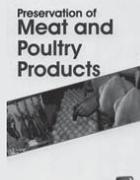
The great importance of the industrial gas, Oxygen is due to the usefulness of the acetylene torch for steel welding and steel cutting, and for the welding of other metals, to lesser degree to the oxy-hydrogen flame. Oxygen gas in the breathing apparatus for a visitor at high altitudes and for oxy-gentents in hospitals is a high altitude and for oxy-gentents in hospitals is a more recent development. An extension of the use of oxygen lies in the increased intensity and speed of reactions brought about by oxygen enriched air instead of ordinary air; the reduction of the cycle time so achieved in chemical or

## BOOKS ON MEAT / FISHERIES



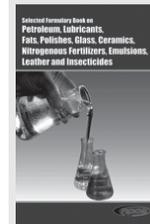
THE COMPLETE BOOK ON MEAT PROCESSING AND PRESERVATION WITH PACKAGING TECHNOLOGY  
₹ 975/-  
US\$ 100

PRESERVATION OF MEAT AND POULTRY PRODUCTS  
₹ 1100/-  
US\$ 125



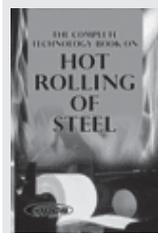
HANDBOOK OF FISHERIES AND AQUACULTURE TECHNOLOGY  
₹ 1100/- US\$ 125

## FORMULARY BOOKS



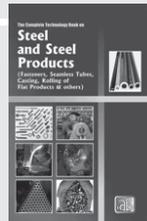
Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides  
₹ 2275/- US\$ 200

## BOOK ON STEEL/ALUMINIUM



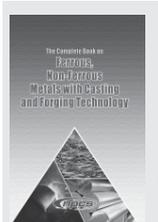
The Complete  
Technology  
Book on  
HOT ROLLING  
OF STEEL  
₹ 1575/-  
US\$ 150

The Complete  
Technology Book on  
STEEL AND STEEL  
PRODUCTS  
(FASTENERS, SEAMLESS  
TUBES, CASTING,  
ROLLING OF FLAT  
PRODUCTS & OTHERS)  
₹ 1625/- US\$ 150



STEEL ROLLING  
TECHNOLOGY  
HANDBOOK  
₹ 1100/-  
US\$ 125

THE COMPLETE  
TECHNOLOGY BOOK ON  
ALUMINIUM AND  
ALUMINIUM  
PRODUCTS  
₹ 1450/-  
US\$ 150



THE COMPLETE BOOK ON  
FERROUS, NON-  
FERROUS METALS  
WITH CASTING  
AND FORGING  
TECHNOLOGY  
₹ 1575/-  
US\$ 150



## PROCESS TECHNOLOGY BOOKS

NAME OF BOOKS	₹/US\$
*The Complete Book on Gums and Stabilizers for Food Industry	1275/- 125
*The Complete Book on Water Soluble Gums and Resins	1675/- 150
*Handbook on Tall Oil Rosin Production, Processing & Utilization	1575/- 150
<b>SYNTHETIC RESINS</b>	
*Modern Technology Of Synthetic Resins & Their Applications	975/- 100
*Synthetic Resins Technology Handbook	1100/- 125
*The Complete Technology Book On Synthetic Resins With Formulae & Processes	1150/- 125
*Alkyd Resins Technology Handbook	1100/- 125
<b>PETROLEUM, GREASES, PETROCHEMICALS, LUBRICANTS</b>	
*Modern Technology Of Petroleum, Greases, Lubricants & Petrochemicals	1100/- 100
*The Complete Book On Distillation And Refining Of Petroleum Products (Lubricants, Waxes And Petrochemicals)	975/- 100
<b>WASTE MANAGEMENT, PRODUCTS FROM WASTE, MEDICAL, MUNICIPAL WASTE</b>	
*Products From Waste (Industrial & Agro Waste) 2 <sup>nd</sup> Edition	975/- 100
*Modern Technology Of Waste Management: Pollution Control, Recycling, Treatment & Utilization	975/- 100
*Medical, Municipal And Plastic Waste Management Handbook	1275/- 125
*Water and Air Effluents Treatment Handbook	1275/- 125
*The Complete Guide on Industrial Pollution Control	1275/- 125
*The Complete Book on Managing Food Processing Industry Waste	1275/- 125
*The Complete Book on Biological Waste Treatment & Their Utilization	1675/- 150
<b>WOOD AND ITS DERIVATIVES &amp; BAMBOO</b>	
*The Complete Technology Book On Wood And Its Derivatives	1100/- 125
*Bamboo Plantation and Utilization Handbook	1475/- 150
<b>HERBAL PRODUCTS, AYURVEDIC, HERBAL &amp; UNANI MEDICINES, DRUGS, NEEM, HERBS &amp; MEDICINAL PLANTS CULTIVATION, COSMETICS, NATURAL PRODUCTS, JATROPHA</b>	
*Handbook On Unani Medicines With Formulae, Processes, Uses And Analysis	1100/- 125
*Handbook On Herbal Drugs And Its Plant Sources	1000/- 100
*Herbal Foods And Its Medicinal Values	1275/- 125
*Herbal Cosmetics & Ayurvedic Medicines (Eou) (3 <sup>rd</sup> Rev. Edition)	1475/- 150
*Handbook On Ayurvedic Medicines With Formulae, Processes & Their Uses (2 <sup>nd</sup> Rev. Edn.)	1475/- 150
*Herbal Cosmetics Handbook	1500/- 150
*The Complete Technology Book On Herbal Beauty Products With Formulations And Processes	1100/- 125
*Modern Technology Of Cosmetics	1100/- 100
*Handbook Of Herbal Products (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols.	1500/- 220
*Herbs Cultivation & Medicinal Uses	975/- 100
*Herbs Cultivation & Their Utilization	800/- 100
*Medicinal Plants Cultivation & Their Uses	975/- 100
*Compendium Of Medicinal Plants	875/- 100
*Compendium Of Herbal Plants	975/- 100
*Cultivation And Processing Of Selected Medicinal Plants	1175/- 125
*Aromatic Plants Cultivation, Processing And Uses	975/- 100
*Cultivation And Utilization Of Aromatic Plants	1100/- 125
*The Complete Book On Jatropha (Bio-Diesel) With Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses)	1500/- 150
*Handbook On Medicinal Herbs With Uses	1075/- 125
*Aloe Vera Handbook Cultivation, Research Findings, Products, Formulations, Extraction & Processing	1275/- 125
*Handbook On Herbs Cultivation & Processing	875/- 100
*The Complete Technology Book On Natural Products (Forest Based)	1275/- 125
*Handbook Of Neem & Allied Products	975/- 100
*Handbook On Herbal Medicines	750/- 100
*Handbook on Cosmetics (Processes, Formulae with Testing Methods)	1675/- 150



## SELECTED PROJECTS FOR YOU

metallurgical process permits a greater yield per volume of equipment, and brings about lower costs. Oxygen as a raw material for synthesizing chemical compounds is in daily use (ethylene oxide, sodium peroxide). Liquid oxygen mixed with carbon black may yet become an important and cheap explosive.

On the commercial scale, oxygen is made from atmospheric air small production by the electrolysis of water is the result of special circumstances. An air separation plant separates atmospheric air into its primary components, typically nitrogen and oxygen, and sometimes also argon and other rare inert gases.

Oxygen has formulae O<sub>2</sub>, the density of gas at 0°C and one atmosphere is 1.429 gms/ litre. Its critical temp nature is -118°C and critical pressure 49.7 atmospheres. It is colorless odorless and tasteless gas somewhat heavier than air. It is one of the most active elements and plays an essential part in the respiration of living cells and in combustion. It is by far the most abundant element. It forms 21% by

volume of the atmosphere and eight ninths by weight of water. It occurs as silicates in the earth's crust. Oxygen occurs usually in the form of diatomic molecules but tri-atomic ozone is also found.

### USES & APPLICATIONS

Oxygen is used in industry for fusion, welding of metals, metal cutting and other purposes; oxy acetylene (oxygen acetylene) flame is used for welding steel. As a cutting medium, oxygen is used for scrap cutting and shaping, of steel plates, slabs up to several feet thick can be cut into desired sized and shapes, under water cutting of plates can be effected by using an oxy-hydrogen flame shrouded by compressed air.

Cleaning of steel structure by oxyacetylene flame removes rust and scale. A clean surface ready is obtained. Oxygen is used also for flame plating; a mixture of oxygen, acetylene and the coating powder (i.e. tungsten dioxide) is exposed in a gun, the force of explosion causing the powder to adhere to the metal surface.



PROCESS TECHNOLOGY BOOKS	
NAME OF BOOKS	₹/US\$
* Handbook on Drugs from Natural Sources	1175/- 125
<b>ESSENTIAL OILS, AROMATIC CHEMICALS, PERFUMES, FLAVOURS, FOOD COLOURS</b>	
* The Complete Technology Book Of Essential Oils (Aromatic Chemicals)	1275/- 125
* Essential Oil Hand Book	975/- 100
* The Complete Technology Book On Herbal Perfumes & Cosmetics 2 <sup>nd</sup> Rev. Edn.	1275/- 125
* Modern Technology Of Perfumes, Flavours And Essential Oils 2 <sup>nd</sup> Edn.	975/- 100
* Food Colours, Flavours And Additives Technology Handbook	1000/- 100
* Food Flavours Technology Handbook	1075/- 125
* The Complete Technology Book on Flavours, Fragrances and Perfumes	1675/- 150
* Perfumes and Flavours Technology Handbook	1875/- 150
<b>SOAPS, DETERGENTS, ACID SLURRY, TOILETRIES</b>	
* Modern Technology Of Soaps, Detergents & Toiletries (With Formulae & Project Profiles) (3 <sup>rd</sup> Revised Edn.)	750/- 100
* Herbal Soaps & Detergents Handbook	1275/- 125
* Handbook On Soaps, Detergents & Acid Slurry (3 <sup>rd</sup> Revised Edition)	1575/- 150
* The Complete Technology Book On Detergents (2 <sup>nd</sup> Revised Edn.)	1100/- 125
* The Complete Technology Book On Soaps	800/- 100
* Soaps, Detergents and Disinfectants Technology Handbook	1275/- 125
<b>GLASS, CERAMICS AND MINERALS</b>	
* The Complete Book On Glass & Ceramics Technology	1275/- 125
* The Complete Book on Glass Technology	1625/- 150
* The Complete Technology Book on Minerals & Mineral Processing	2200/- 200
* Handbook on Rare Earth Metals and Alloys (Properties, Extraction, Preparation and Applications)	1875/- 150
<b>ALUMINIUM, STEEL, FERROUS, NON-FERROUS METALS WITH CASTING AND FORGING</b>	
* The Complete Technology Book On Hot Rolling Of Steel	1575/- 150
* Steel Rolling Technology Handbook	1100/- 125
* The Complete Book On Ferrous, Non-Ferrous Metals With Casting And Forging Technology	1575/- 150
* The Complete Technology Book on Aluminium And Aluminium Products	1450/- 150
* The Complete Technology Book on Steel and Steel Products (Fasteners, Seamless Tubes, Casting, Rolling of flat Products & others)	1625/- 150
<b>FORMULARY (FORMULATION) BOOKS</b>	
* Selected Formulary Book on Cosmetics, Drugs, Cleaners, Soaps, Detergents, Dentrices and Depilatories	1500/- 150
* Selected Formulary Book on Inks, Paints, Lacquers, Varnishes and Enamels	1475/- 150
* Selected Formulary Handbook	1475/- 150
* Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides	2275/- 200
<b>CONSTRUCTION MATERIALS, CEMENT, BRICKS, ASBESTOS</b>	
* The Complete Book on Construction Materials	1475/- 150
* The Complete Technology Book on Bricks, Cement and Asbestos	1400/- 150
<b>EMULSIFIERS AND OLEORESINS</b>	
* The Complete Book on Emulsifiers with Uses, Formulae and Processes	1075/- 125
* Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene, Derivatives, Tall Oil, Resin & Dimer Acids)	2200/- 200
<b>DIRECTORY OF HERBS &amp; HERBAL, WORLD WIDE IMPORTERS REGISTER, INTERNATIONAL BUYERS DIRECTORY</b>	
* World Wide Importers Register (International Buyers Directory) (3 <sup>rd</sup> Edn. On CD-Rom)	3500/- 250
* Directory Of Foreign & Multinational Corporations/ Companies In India (Mncs)	750/- 100
* Herbs & Herbal Products Finder (Directory Of Herbs, Herbal Medicines, Cosmetics, Herbal Products, Essential Oils, Perfumes, Pan Masala & Tobacco Products)	1600/- 220

## SELECTED PROJECTS FOR YOU

In the blast furnace oxygen enrichment of blast gives higher temperatures in the reaction zone resulting in increased iron production. In open hearth furnace operation hot metal is desilicon used by treatment with oxygen before transfer to the furnace this reduces refining time and increases steel output. The of 30 cut of oxygen per ton of metal reduces the silicon content from 1% to 4% treatment of hot metal with oxygen decreased also the phosphorous content.

### MARKET SURVEY

Gases are liquefied by significantly lowering their temperature: from -183°C for oxygen to -269°C for helium. It saves a substantial amount of volume. Gases are generally liquefied during the production phase and directly stored onsite into large cryogenic tanks. They are then dispatched to the customers' site inside perfectly insulated cryogenic transport tanks.

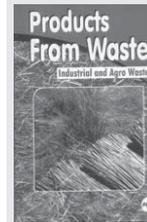
Oxygen purity is vital to efficient production. For example, 99.5 percent pure oxygen can produce high-quality, flame-cut edges. Cylinder oxygen is produced

from vaporized liquid oxygen. Its minimum guaranteed purity is 99.5 percent. Liquid oxygen is classified as Type II by the Compressed Gas Association (CGA).

The industrial gas industry is divided into two major segments. The first, called the tonnage or supply scheme market, is composed of large-volume users who usually receive gas via a direct pipeline from an on-site production facility. Under typical on-site contracts, a gas supplier constructs a production plant at or adjacent to a gas user's facility. The gas supplier owns and operates the plant for the benefit of the gas customer. Within this market segment, gas sold is measured in terms of tons per day. Examples of customers who routinely purchase industrial gases on the tonnage market include chemical, petroleum, electronics, and steel manufacturers.

The other major market segment is known as the merchant or bulk liquid market. Customers within this market generally have fluctuating demand rates or operate multiple facilities in scattered locations. They often purchase gas products under

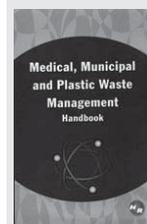
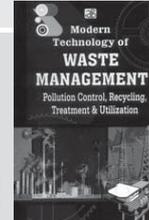
## WASTE MANAGEMENT



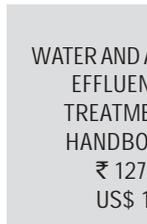
**PRODUCTS FROM WASTE INDUSTRIAL & AGRO WASTE**  
₹ 975/-  
US\$ 100



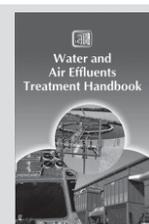
**Modern Technology of WASTE MANAGEMENT**  
POLLUTION CONTROL, RECYCLING, TREATMENT & UTILIZATION  
₹ 975/- US\$ 100



**MEDICAL, MUNICIPAL AND PLASTIC WASTE MANAGEMENT HANDBOOK**  
₹ 1275/-  
US\$ 125



**WATER AND AIR EFFLUENTS TREATMENT HANDBOOK**  
₹ 1275/-  
US\$ 125



**The Complete Guide on Industrial Pollution Control**  
₹ 1275/- US\$ 125

**The Complete Book on Managing Food Processing Industry Waste**  
₹ 1275/- US\$ 125

short-term contracts of less than five years in duration. Gases are shipped and stored in liquid form because of volume constraints. For example, liquid oxygen takes up less than 1 percent of the space required to contain the same amount in a gaseous state. Examples of customers in this category include the metal, food processing, electronics, chemical, aerospace, plastics, medical, glass, and paper industries.

The global market size of cryogenic equipment is estimated to be \$11 billion in 2011. Cryogenic tank has the largest market and majority of cryogenic equipment market revenue come from those tanks.

**COST ESTIMATION**

Capacity	: 1080000 Cu. m/annum
Plant & Machinery	: Rs. 110 Lakhs
Cost of Project	: Rs. 304 Lakhs
Rate of Return	: 23.25 %
Breakeven Point	: 55.03 %

**Rice Flakes from Broken Rice**

**(USED IN BEER INDUSTRY)**

Rice flakes are tasty flakes that are created using rice grains. The process for creating rice flakes involves parboiling the rice, then flattening the grains to produce a solid flake. There are a number of rice flake recipes used in Asian cuisine. Often in western countries, rice flakes are used to create cereals and different types of snacks.

The creation of rice flakes begins with parboiled rice. This helps to soften the grain and prepare it for processing. Once the rice is tender, the cooked grains are rolled, and then flattened. The thickness of the flattened rice will depend on the amount of pressure that is applied which is then allowed to dry completely. The dried sheets are then run through another rolling process to create simple flakes. At this point in the process, the rice flakes may be packaged for use as a dry cereal, or used as an ingredient in recipes for a side dish, or used to create desserts or even snack foods.

Rice flakes are known by several names such as flaked Rice, Beaten rice, Aval, Avalakki, Poha and Chiwda. Rice flake is one of the many traditional products in India. With this background, the CFTRI developed a process for improved Rice flaking. The improved process has the advantage of increase in yield and better quality products, besides economic utilization of by-products. Rice Flakes are produced from medium-grain rice and are widely used in brewing industry for clean and crisp beers. Rice Flakes can be used up to 40% of the total grist.

**USES**

- Rice Flakes are used as breakfast food.
- In India, rice flakes are famous by the names like poha/chiwda when cooked as breakfast meal.
- Rice flakes are mixed with milk when consumed as cereal.
- Wide application of Rice Flakes is in the application of beer industry to produce beer.
- One common use of rice flakes is to create a simple dessert that is somewhat similar to the rice pudding commonly served in Western countries. This approach involves adding milk and sugar to the rice flakes and allowing them to steep in the mixture for a short time. The consistency of the finished dish is somewhat like that of cooked oatmeal.
- Rice flakes can also be mixed with other dried grain flakes to create a tasty breakfast cereal. When combined with nuts and dried fruit, the rice flakes can also serve as a healthy snack alternative.
- A traditional dish using rice flakes is known as banhcom in Vietnam. Rice is harvested directly from the fields. Rather than parboiling, the rice is roasted and then flattened by hand using a mortar and pestle. This helps to remove the husk or hull of the rice grain. A range of spices is added to the flakes and the mixture is cooked long enough to allow the flavors to mingle.
- While rice flakes have traditionally been associated with food preparation in eastern countries, the flakes have become more readily available in the West in recent years. It is possible to purchase packaged rice flakes in most grocery stores and supermarkets that carry Asian foods. In addition, many health food stores carry rice flakes as both a cereal and a healthy ingredient for various types of vegetarian dishes.

**MARKET SURVEY**

Rice flakes from broken rice used in beer industries, which is cheap convenient and is an innovated concept. The product is used in beer industry which finds a prominent place in alcoholic beverages. It has an excellent domestic demand. In India about 32 beer units are registered with DGTD with a total installed capacity of the order of 132,200

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

 <p>Electroplating, Anodizing &amp; Metal Treatment Hand Book ₹ 1475/- US\$ 150</p>	 <p>The Complete Technology Book on ELECTROPLATING, PHOSPHATING, POWDER COATING AND METAL FINISHING ₹ 1100/- US\$ 125</p>
--	--

**BOOK ON CULTIVATION OF HERBS/MEDICINAL AND AROMATIC PLANTS**

 <p>Cultivation and Processing of Selected Medicinal Plants ₹ 1175/- US\$ 125</p>	 <p>HAND BOOK ON HERBS CULTIVATION AND PROCESSING ₹ 875/- US\$ 100</p>	 <p>Aromatic Plants CULTIVATION, PROCESSING AND USES ₹ 975/- US\$ 100</p>	 <p>Compendium Of Herbal Plants ₹ 975/- US\$ 100</p>
 <p>The Complete Technology Book on Flavours, Fragrances and Perfumes ₹ 1675/- US\$ 150</p>	 <p>Herbs Cultivation &amp; Their Utilization ₹ 800/- US\$ 100</p>	 <p>Medicinal Plants Cultivation &amp; Their Uses ₹ 975/- US\$ 100</p>	 <p>CULTIVATION AND UTILIZATION OF AROMATIC PLANTS ₹ 1100/- US\$ 125</p>

HEARBS CULTIVATION & MEDICINAL USES / ₹ 975/- US\$ 100



## SELECTED PROJECTS FOR YOU

Kilo Litres per year. The capacity utilization during the last few years has been around 156 percent. So, it has to be assessed that in the coming years the new unit may come up to production considering the 60% of the total licenses. Similarly demand is increasing day by day to meet the requirement of indigenous as well as export market.

Formulations of beer manufacturing are done with the view of availability of the raw materials in that particular part of the World where the brewery is proposed to be established. In most of the parts of the world, barley is universal source of beer extraction. But, beers are manufactured from Chamomile flowers and powdered gingers etc. as well. The manufacturing processes and quality control measure can make the beer nutritious, energy packed and refreshing. Among all the alcoholic drinks beer has become so common.

The Indian beer industry seems to be in upswing mode as 2006 seems to be the best year as far as the growth is considered. Last year there was a growth of 20% while in the last five years the industry registered a growth of 7 to 8% year on year basis.

Industry analysts say tax and levies on beer are anticipated to fall over the next 2 to 3 years, driving down retail prices by 25 to 50%. The per capita consumption of beer in India is very low as compared to other countries in Europe and America. At present the per capita consumption is 0.7 litre per annum, but industry experts predict that this may rise to around 20 litres in the next 10 years. Considering the expected increase in consumption and the current growth trends, the future of Indian beer market looks bright and seems set for continuous double digit growth in the coming years.

The demand and consumption pattern is entirely related to the scope of beer industry in India. The market for flaked rice will predominantly consist of buyers from group especially of urban and semi-urban areas. Even the people of low-income group can also buy as the products are directly consumed along with jaggery and from coconut pieces by rural folk.

### BEER

Presently, some 36 units are manufacturing beer in India with an estimated output of 670 mn litres. In consumption, India holds the 29th position with the annual consumption growing by 8% per year. Per capita consumption of beer is as low as half-a-litre as against 128 litres in Germany, 129 litres in New Zealand and 116 litres in Denmark. Even China has a per capita consumption of 20 litres.

The Indian beer industry has shifted towards the strong beer segment. The ratio in mild-strong beer has shifted from 66:34 in 1993-94 to 45:55. In the mild beer, segment, Kingfisher, Golden Eagle and Royal Challenge are the main brands. In the strong beer segments Haywards 5000, Haywards 2000, Knockout, Khajuraho are dominant. In the standard segment of over 55 mn cases, United Breweries has the lion's share.

### COST ESTIMATION

Capacity	: 3000 MT/annum
Plant & Machinery	: Rs. 72 Lakhs
Cost of Project	: Rs. 297.48 Lakhs
Rate of Return	: 26.82%
Breakeven Point	: 49.12%

## Particle Board from Rice Husk

Construction industry is one of the fastest growing sectors in India. Rapid construction activity and growing demand of houses has lead

to the short fall of traditional building materials. Bricks, Cement, sand, and wood are now becoming scarce materials. Demand of good quality of building materials to replace the traditional materials and the need for cost effective and durable materials for the low cost housing has necessitated the researchers to develop variety of new and innovative building materials. Construction materials of special requirements for the houses in different geographical region to overcome the risk of natural hazard and for protection from severe climatic conditions has also emphasised the need for development of lightweight, insulating, cost effective, durable and environment friendly building materials.

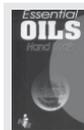
Agricultural waste or residue is made up of organic compounds from organic sources such as rice straw, oil palm empty fruit bunch, sugar cane bagasse, coconut shell, and others. Rice husk from paddy (*Oryza sativa*) is one example of alternative material that can be potentially used for making particle board.

Rice husk is unusually high in ash, which is 92 to 95% silica, highly porous and lightweight, with a very high external surface area. Its absorbent and insulating properties are useful to many industrial applications, such as acting as a strengthening agent in building materials. Rice husks are processed into rectangular shaped particle boards.

Particle board is as the name suggests a board made of particles of wood obtained mechanically without destroying the inherent character of wood. This new industry initially was started primarily with a view to utilize wood waste. Wood that was left in the forest being unsuitable for lumber industry and wood that was thrown away as waste in various wood industries, (e.g. sawmills, furniture making plywood industries) could be utilized in making particle board.

It may be mentioned here that fiber board also utilizes the same wood waste; the wood is converted into pulp and pressed the bond being obtained mainly from the natural lignin present in wood. In case of particle board, the bond is obtained by using an organic binder-synthetic resin adhesive. The accepted definition of particle board is A sheet material manufactured from small pieces of wood on other lignocelluloses materials, (e.g. chips, flakes, splinters, strands, shives, etc.) agglomerated by use of an organic binder together with one or more of the following agents heat, pressure, moisture a catalyst etc.

### BOOKS ON ESSENTIAL OILS & PERFUMES



Essential Oils Handbook  
₹ 975/- US\$ 100



MODERN TECHNOLOGY OF PERFUMES, FLAVOURS & ESSENTIAL OILS  
(2nd Edition)  
₹ 1100/- US\$ 125



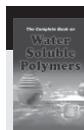
The Complete Technology Book of Essential Oils (Aromatic Chemicals)  
₹ 1275/- US\$ 125



The Complete Technology Book of Herbal Perfumes & Cosmetics  
(2nd Revised Edn.)  
₹ 1275/- US\$ 125



Perfumes and Flavours Technology Handbook  
₹ 1875/- US\$ 150



**POLYMERS**  
The Complete Book on Water Soluble Polymers  
₹ 1575/- US\$ 150

**USES & APPLICATIONS**

- The property of this board can be controlled.
- It has got better acoustic properties and hence better sound absorption. It does not support combustion, thus it is safe to use as it is fine safety measure.
- It is insect and termite resistant.
- It is water resistant.
- It is more economical.
- It is used in furniture making where cost economy is the main factor. It is used both for movable and built in furniture.
- It is used in construction industry in making doors, flooring, floor underlayment, ceiling, roof underlayment, walls partition, concrete framework and transport industry.

**MARKET SURVEY**

The large producers account for 15% of the total production, producing some 38 mn sq. m of plywood and block boards. The ecological considerations had, however, placed the industry in jeopardy owing primarily to the restraints put on the use of timber. Alternate materials from agricultural wastes like stalks of cotton and wheat, rice husk and bagasse are slowly getting into the industry as raw material feeds.

Kitply Industries, Sarda Plywood, Century Plywood, Novapan, National Plywood, Green-ply and Jayshree Tea remain the main players in the organized sector of plywoods and particle boards, which has some 60 units. There are several SSI units and other informal sector units contributing around 60% of the total production.

The Indian market for particle board and plywood is estimated in value terms, at over Rs 37 bn. Of the total market, particle board including medium density fiber board (MDF board) accounts for nearly a quarter of the market. Nearly 85% of the particle board is supplied by the organized sector. Western India has emerged as the leader in the particle board segment. Shirdi Industries (SIL) was setting up a plant for the manufacture of MDF and particle board. The project, which will be India's first and only integrated plant providing complete interior solutions, was being set up at Uttarakhand. It was mainly because of the state government granting the company a status, entitling the company to excise duty, income tax and sales tax exemption besides investment subsidy. The company is also producing pre-laminated board, decorative laminates, floorings, panel door and furniture components from the facility.

**COST ESTIMATION**

Capacity	: 15 Lakh Nos. /annum
Plant & Machinery	: Rs. 152 Lakhs
Cost of Project	: Rs. 426.23 Lakhs

Rate of Return	: 31.69%
Breakeven Point	: 51.30%

**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. 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. According to the recent survey, electronic discards are one of the fastest growing segments of our nation's waste stream.

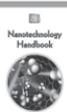
Electronic wastes, e-waste, e-scrap, or Waste Electrical and Electronic Equipment (WEEE) is a description of surplus, obsolete, broken or discarded electrical or electronic devices. According to the OECD, any appliance using an electric power supply that has reached its end-of-life would come under WEEE. Technically, electronic waste is the component which is dumped or disposed or discarded rather than recycled, including residue from reuse and recycling operations. Because loads of surplus electronics are frequently coming led (good, recyclable, and non-recyclable), several public policy advocates apply the term e-waste broadly to all surplus electronics.

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. 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.

There is also a lack of definition around the specific details of the treatment requirements of WEEE. It is therefore, the process of recycling of components containing hazardous compounds such as halogenated chlorides and bromides used as flame-retardants in plastics, Copper, PVC sheathing of wires etc., has emerged as a life threatening process, as recycling of such materials produces harmful dioxins.

Land filling e-waste, one of the most widely used methods of disposal, is prone to hazards because of leachate which often contains heavy water resources. Older landfill sites and uncontrolled dumps pose a much greater danger of releasing hazardous

**NANOTECHNOLOGY**

	Nanotechnology Handbook ₹ 1675/- US\$ 150		Nanoscience and Nanotechnology Handbook ₹ 1675/- US\$ 150
---	---	---	---

**INDUSTRIAL ALCOHOL**

	Industrial Alcohol Technology Handbook ₹ 1675/- US\$ 150
---	--

**PESTICIDES, INSECTICIDES**

	Biopesticides Handbook ₹ 1575/- US\$ 150
---	--

**VERMICULTURE, VERMICOMPOST, BIO-FERTILIZER, ORGANIC FARMING**

	Integrated Organic Farming Handbook ₹ 1275/- US\$ 125		The Complete Book on Organic Farming and Production of Organic Compost ₹ 1275/- US\$ 125
---	---	---	---

**PAPER, PULP & PAPER CONVERSION**

	Handbook on Pulp and Paper Processing ₹ 1875/- US\$ 150
---	---



**npcs** **SELECTED PROJECTS FOR YOU**

emissions. Mercury, Cadmium and Lead are among the most toxic leachates.

**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.

The first comprehensive study to estimate the annual generation of e-waste in India and answer the questions above is being undertaken up by the National WEEE Taskforce. So far the preliminary estimates suggest that total WEEE generation in India is approximately 1, 46,000 tons per year. The top states in order of highest contribution to WEEE include Maharashtra, Andhra Pradesh, Tamil Nadu, Uttar Pradesh, West Bengal, Delhi, Karnataka, Gujarat, Madhya Pradesh and Punjab. The city wise ranking of largest WEEE generators is Mumbai, Delhi, Bangalore, Chennai, Kolkata, Ahmadabad, Hyderabad, Pune, Surat and Nagpur.

Almost 50% of the PC's sold in India are products from the secondary market and are re-assembled on old components. The remaining market share is covered by multinational manufacturers (30%) and Indian brands (22%).

**COST ESTIMATION**

Capacity	: 2164500 kgs. / annum
Plant & Machinery	: Rs. 233 Lakhs
Cost of Project	: Rs. 500 Lakhs
Rate of Return	: 22.91%
Breakeven Point	: 49.81%

**Packaged Drinking Water**

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.

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.

Mineral water comes from natural springs. It contains a lot of various kinds of chemical goods such as potassium, magnesium and calcium, which are healthy to our body. After the water is filtered and sterilized properly, it's our first choice to use it. However, the shortcoming is that the source of mineral water is limited.

On the other side, pure water doesn't contain any nutrition, but it's easy to be obtained and very clean after being processed. It tastes good with PH value 5-7 that's the reason why people like it very much. Pure water is processed through different stages of a filter system such as sand, carbon, and Reversed Osmosis System. The water is passed from 5 micron through 1 to 0.2 micron filter. After that, pure water can be filtered to remove harmful materials with an efficiency of 96%.

**USES**

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**

**BOTTLED WATER**

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 total size of the bottled water market in India is estimated at Rs 20 bn. What is amazing is that people are prepared to pay Rs 10 or more for a litre of 'simple' water - especially when the cost of material input is negligible. The cost of packaging can be as high as 15% to 35% of the price of the product. In bottled water market, the cost of entry and the cost of exit is low. One does not require much equipment

**BOOKS ON AGRICULTURE**

 The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses) ₹ 1500/- US\$ 150	 CULTIVATION OF FRUITS VEGETABLES AND FLORICULTURE ₹ 1100/- US\$ 125	 Handbook on Rice Cultivation and Processing ₹ 1075/- US\$ 125
 The Complete Book on Coconut & Coconut Products (Cultivation and Processing) ₹ 1100/- US\$ 125	 Cultivation of Tropical Subtropical Vegetables, Spices, Medicinal and Aromatic Plants ₹ 1075/- US\$ 125	 The Complete Technology Book on Meat, Poultry and Fish Processing ₹ 1475/- US\$ 150
 Tropical, Subtropical Fruits & Flowers Cultivation ₹ 1075/- US\$ 125	 HANDBOOK ON MUSHROOM CULTIVATION AND PROCESSING (with Dehydration, Preservation and Canning) ₹ 1275/- US\$ 125	 The Complete Book on Beekeeping and Honey Processing ₹ 1075/- US\$ 125

**SMALL SCALE INDUSTRY (SSI)**

 Profitable Cottage and Tiny Industries ₹ 475/- US\$ 50	Profitable Cottage and Tiny Industries ₹ 475/- US\$ 50
 Profitable Small Scale Industries ₹ 475/- US\$ 50	Profitable Small Scale Industries ₹ 475/- US\$ 50

to make bottled water.

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.

Nevertheless, per capita consumption of bottled water in India is less than half a litre per year, compared to 111 litres in France and 45 litres in the US. The consumption of smaller packs (500 ml) has increased perceptibly by around 140%. Even school children are carrying the 500-ml packs in their school-bags. The 20 litre jars have found phenomenal acceptance in households and in work places.

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.

The BIS certification was made mandatory for the segment from April 2001. The bottled water was classified as food and has been brought under the Prevention of Food Adulteration Act. The producers have to adhere to rules pertaining to colour, odour, taste, turbidity, total dissolved solids and aerobic microbial count.

**COST ESTIMATION**

Capacity : 210.6 Lakhs Nos. /annum  
 Plant & Machinery : Rs. 719 Lakhs  
 Cost of Project : Rs. 1736 Lakhs  
 Rate of Return : 25.26 %  
 Breakeven Point : 56.11 %

**Mini Sugar Plant**

Sugar is a universal sweetening agent and sugar - cane is the primary age - old source of it. Sugar cane is a very important industrial crop, containing for about 60% of sugar production in the world. Sugar, as sucrose is important for energy and metabolic activities.

When sugar was prepared in the beginning, cannot be definitely stated, but brown sugar or gur (Jaggery) was the first known form of sugar manufactured from sugar cane as well as from wild

date palm (phoenix sulvestris), Palmyra palm (Borassus Flapellifar), today palm (Caryota urens) and other palms contains 12-14% sugar in their sap tapped for the purposes.

The main raw material for sugar production, i.e. sugarcane grows widely and efforts are constantly being made to bring more area under cultivation. Sugarcane is grown in tropical and sub-tropical countries. Another sugar yielding material, the best is grown in temperate regions. The best is an important raw material in many European Countries. Of the total sugar production in the world, cane sugar constitutes nearly 55 per cent. Two third of the total cane sugar comes from Cuba, Brazil India, Australia, Mexico, China, Philippines and U.S.A., South Africa, Argentina, Mauritius and Egypt are also important cane producers.

The sugar industry in India is second largest, next to textiles. It has an investment of Rs.1500 crores employs 3, 00,000 people, besides the industry provides sustenance to 25 million cultivators. The contribution of industry to the public exchequer by way of excise, cases and taxes, is substantial. Also it is an important foreign exchange earner to the country.

**USES & APPLICATION**

**SUGAR**

1. As such sugar used as sweetener in food product, like Jam, Jellies, Bread Biscuit & Cake etc. Industry
2. It has largest use as domestic purposes also.
3. It is also used as raw material for the fermentation Industry.

*Product uses & applications*

The various end uses of sugar are mainly in the following products—

1. Beverages
2. Bakery, cereal and allied products.
3. Confectionery and related products.
4. Canned, bottled, and frozen foods, jellies etc.
5. Ice Cream and dairy products.
6. Sweets
7. Used in households, restaurants and hotels in a number of food products.
8. Pharmaceuticals.

**MARKET SURVEY**

India is now the largest consumer of sugar in the world and was expected to overtake Brazil in production. Although subject to cyclical fluctuations,

BIOTECHNOLOGY			BOOKS FOR FOOD INDUSTRY		
	BIOTECHNOLOGY HAND BOOK ₹ 1100/- US\$ 125		Enzymes Bio-Technology Hand Book ₹ 1100/- US\$ 125		The Complete Book on Gums and Stabilizers for Food Industry ₹ 1275/- US\$ 125
	The Complete Technology Book on VERMICULTURE AND VERMICOMPOST ₹ 750/- US\$ 100		Hand Book on BIO GAS and its Applications ₹ 975/- US\$ 100		Handbook on Fermented Foods and Chemicals ₹ 1875/- US\$ 150
	Handbook on FOOD BIOTECHNOLOGY ₹ 1100/- US\$ 125		Handbook on Plants and Cell Tissue Culture ₹ 1275/- US\$ 125	<b>EMULSIFIERS</b>	
			The Complete Book on Biotechnology Based Bulk Drugs ₹ 1050/- US\$ 125		The Complete Book on Emulsifiers with Uses, formulae and Processes ₹ 1075/- US\$ 125



**npcs** **SELECTED PROJECTS FOR YOU**

sometimes violent ones, sugar production has grown phenomenally during the last decade. The drop in production and increased consumption put pressure on sugar prices.

According to Indian Sugar Mills Association (ISMA) production in 2008-09 was estimated at 14.7 mn ton against previous year production of 26.3 mn ton. The government permitted its trading agencies like MMTC and others, such as STC, NAFED and PFC to import sugar to control prices.

According to industry estimates, import contracts for close to 2 mn ton sugar have already been signed by various companies and another 500,000 ton are likely to be contracted by the end of the season, while over 1.85 mn ton of sugar has arrived. Most of these imports are sourced from Brazil. In India prices have moved up by nearly 50% in the season. The annual variations in sugar production are a result of alternate sweeteners Jaggery and Khandsari claiming more of sugarcane in times of fall in crop. With passage of time, sugar industry has been liberated from 100% procurement of sugar by government; the existing level of procurement is only 10% of the production. This has to a large measure, provided a level playing field between sugar and alternate sweeteners.

The Indian Sugar Mills Association had been in favor of futures trading in sugar to provide a cushion to the industry once decontrolled. The National Federation of Cooperative Sugar Mills, the apex organization of 250 cooperative sugar mills accounting for nearly 60% of country's sugar production, did not support it.

The government, however, removed all restrictions on sugar exports and permitted commencement of future trading in white sugar. Futures contracts are traded in four exchanges, the three National Multi Commodity Exchanges (NMCEs), the National Commodities and Derivatives Exchange (NCDEX), and the Multi Commodity Exchange (MCX), besides E-Sugar Ltd.

**COST ESTIMATION**

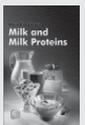
Capacity	: 500 TCD
Plant & Machinery	: Rs. 1683 Lakhs
Cost of Project	: Rs. 2346.76 Lakhs
Rate of Return	: 24.97%
Breakeven Point	: 44.49%

**Neutralization of Phospho-Gypsum**

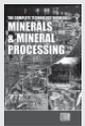
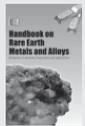
Phospho-gypsum is a by-product of the phosphoric acid industry and consists of 65-70% gypsum, 25-30% water and 5-10% impurities, i.e. phosphoric acid and its salts, hydrofluoric acid and its compounds,  $R_2O_3$  ( $Al_2O_3 + Fe_2O_3$ ), quartz, apatite, alkali, organic matter, and others. The  $P_2O_5$  and F impurities are found in three different forms in Phospho-gypsum compound: on the surface of gypsum crystals as water soluble compounds ( $H_3PO_4$ ,  $Ca(H_2PO_4)_2 \cdot H_2O$ ,  $H_2SiF_6$ ), substituted in the lattice of gypsum crystals (effectively solid solutions of  $CaHPO_4 \cdot 2H_2O$ ,  $SrSO_4$  or  $Na_2SiF_6$ ) and as insoluble compounds, i.e. apatite and quartz. These impurities, particularly hydrofluoric acid and its salts, contaminate an environment.

Soluble phosphates ( $H_3PO_4$  and  $Ca(H_2PO_4)_2 \cdot H_2O$ ) and soluble fluorides had maximum influence on the fall of compressive strength of plaster.  $CaHPO_4 \cdot 2H_2O$  had small influence, but with the present of  $Ca(OH)_2$  it had great influence on the plaster properties. The most impurities in Phospho-gypsum can be found in the particle size fractions above 160 and below 25  $\mu m$ . There are more than few plants (those of Onoda in Japan, GiuliniChemic GmbH, Knauf in Germany, etc.) where the impurities are eliminated by washing Phospho-gypsum with water or separating off coarse and very fine particles. Up to 4  $m^3$  of water is necessary for 1 ton of Phospho-gypsum. The Phospho-gypsum mixtures are also eliminated by using a combined

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

 Handbook on Citrus Fruits Cultivation and Oil Extraction ₹ 1575/- US\$ 150	 Fruits, Vegetables, Corn and Oilseeds Processing Handbook ₹ 1675/- US\$ 150
 The Complete Book on Cultivation and Manufacture of Tea ₹ 1475/- US\$ 150	 Handbook on Spices and Condiments (Cultivation, Processing and Extraction) ₹ 1575/- US\$ 150
 Potato and Potato Products Cultivation, Seed Production, Manuring, Harvesting, Organic Farming, Storage and Processing ₹ 1275/- US\$ 125	 Handbook on Milk and Milk Proteins ₹ 1275/- US\$ 125
 The Complete Book on Sugarcane Processing and By-Products of Molasses (with Analysis of Sugar, Syrup and Molasses) ₹ 1675/- US\$ 150	

**GLASS, CERAMICS, MINERALS, MINERAL PROCESSING & RARE EARTH METALS AND ALLOYS**

 The Complete Book on Glass Technology ₹ 1625/- US\$ 150	 The Complete Technology Book on Minerals & Mineral Processing ₹ 2200/- US\$ 200
 Handbook on Rare Earth Metals and Alloys (Properties, Extraction, Preparation and Applications) ₹ 1875/- US\$ 150	<b>BAMBOO PLANTATION</b>  Bamboo Plantation and Utilization Handbook ₹ 1475/- US\$ 150
<b>OLEORESIN AND PINE CHEMICALS (ROSIN, ERPENE DERIVATIVES, TALL OIL, RESIN &amp; DIMER ACIDS)</b>	
 Handbook on Oleoresin and Pine Chemicals (Rosin, Terpene Derivatives, Tall Oil, Resin & Dimer Acids) ₹ 2200/- US\$ 200	 Handbook on Tall Oil Rosin Production, Processing and Utilization ₹ 1575/- US\$ 150

method when Phospho-gypsum is washed with a smaller amount of water, and the rest of the acid mixtures are neutralized by adding the following additives:  $\text{Ca}(\text{OH})_2$ ,  $\text{CaCO}_3$ ,  $\text{K}_2\text{CO}_3$ ,  $\text{KOH}$ , Portland cement,  $\text{NH}_4\text{OH}$ , etc.

The acid impurities are not fully eliminated from the Phospho-gypsum crystals. The insoluble phosphates  $\{\text{Ca}_3(\text{PO}_4)_2, \text{Ca}_5(\text{PO}_4)_3\text{OH}\}$  and fluorides ( $\text{CaF}_2$  and  $\text{CaSiF}_6$ ) did not influence the plaster properties. The objective of the work is to investigate the neutralization process of the acid impurities of dehydrate Phospho-gypsum into lime suspension.

**MARKET SURVEY**

Phosphoric acid production scenarios in India, there are 11 no. of phosphoric acid manufacturing units located in 7 States namely Andhra Pradesh, Gujarat, Kerala, Maharashtra, Orissa, Tamil Nadu and West Bengal. The total production of phosphoric acid is about 1.2 Million Tons during the year 2009-2010.

**THE 3 GENERATION OF PHOSPHO-GYPSUM**

Phospho-gypsum is generated from filtration process in phosphoric acid plants where insoluble gypsum (and other material) are separated from the product i.e. phosphoric acid as efficiently as possible. Depending on the source of rock phosphate about 4.5-5 Tons (dry basis) of Phospho-gypsum (by-product Phospho-gypsum) is generated per ton of phosphoric acid (as  $\text{P}_2\text{O}_5$ ) recovered.

The quality & quantity of Phospho-gypsum generation depends upon the quality of the phosphate rock, process route used to produce phosphoric acid, calcium sulphate generated either in di-hydrate ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) or the hemi-hydrate ( $\text{CaSO}_4 \cdot 1/2 \text{H}_2\text{O}$ ) form. Phosphogypsum generation in the Country is about 11 Million Tons per annum (based on the assumption that 5 Tons of Phospho-gypsum generated per ton of phosphoric acid production).

International practices of Phospho-gypsum management & handling Phosphogypsum contains three types of impurities that are considered to be potentially harmful such as residual acidity, fluorine compounds, trace elements including radioactivity.

**COST ESTIMATION**

Capacity	: 600000 MT/annum
Plant & Machinery	: Rs 1008 Lakhs
Cost of Project	: Rs. 3114.48 Lakhs
Rate of Return	: 36.89%
Breakeven Point	: 43.92%

**Banana Products**

**(BANANA POWDER, BANANA PUREE AND BANANA CONCENTRATE)**

Banana is the largest produced and maximum consumed amongst the fruits cultivated in India. It is known as the 'common man's fruit'. It is highly nutritive and very delicious. India ranks first amongst the banana cultivating countries of the world with an annual production share of 25% of the total harvest. During the past two decades the large-scale cultivation of this fruit crop has undergone considerable changes. Banana is perhaps one of the major crops, which has accepted tissue culture as a mode of propagation especially in India. Shorter harvest times and enhanced yields have popularized the cultivation of this fruit crop with respect to the area of cultivation and production by tissue culture methods.

Banana fruits are available in plenty in the Tropical countries like India, and a sizeable quantity of this

fruit is wasted due to poor transportation and storage facilities.

Banana when ripened is a soft and delicate fruit with a post-harvest shelf life of 5- 10 days. This makes it prone to injury during transport.

Further, release of ethylene during bulk storage makes the fruit ripen faster and the fruits generally rot before reaching its destination. Hence, it has always been considered a 'problem fruit' with respect to transportation. These reasons contribute to a local market glut, resultant price crash and subsequent disinterest among the farming community to cultivate it on a large scale. It is hence important to overcome this problem by generating an increased demand of this fruit crop.

Bananas are packed with many of the nutrients that your baby needs. Sometimes referred to as a power food, it's got the perfect combination of being rich in potassium but low in sodium, making it a heart-healthy fluid. Additionally, it has an abundance of vitamins, particularly Vitamin B6, Vitamin C and Vitamin B2. Filled with those healthy vitamins and nutrients, but low in cholesterol, saturated fat and sodium, you can feel confident offering it to your baby. Just a word of caution, though known for settling upset tummies and diarrhea, eating too many bananas may lead to constipation.

Banana being a 'common man's fruit' is consumed in following forms: Banana Powder, Banana Puree, Banana Juice concentrate etc.

**USES**

- Banana powder, because of its high concentration of banana essence, has been found to be a major source of carbohydrate and calories .
- The powder has also been found to be useful as a general treatment for dyspepsia.
- while it is in its green state, it contains starches which are resistant to digestion, but have been studied in combination with pectin to significantly reduce intestinal permeability and fluid loss in those suffering with bouts of diarrhoea
- Banana powder has been studied to prevent ulcer formation induced by a variety of drugs, including aspirin, indomethacin, phenylbutazone, prednisolone, cysteamine, and histamine.
- Banana peel has been found to suppress testosterone-induced prostate gland enlargement.
- A water extract of banana stem extract has been found to suppress the formation of oxalate-associated kidney stones in the animal model, leading researchers to conclude that it may be a useful agent in the treatment of patients with hyperoxaluric urolithiasis.
- UV-B light induced skin damage may be prevented or reduced through the consumption of bananas, with a protective effect against loss of skin elasticity.
- Banana root extracts have been discovered to contain blood sugar lowering properties
- Banana contains compounds with demonstrable anti-MRSA activity, anti-HIV replicative activity, and following metabolic transformation by fungi, anti-leishmanicidal activity.

**MARKET SURVEY**

Banana is an important fruit crop of many tropical and subtropical regions of India. It is cultivated in India in an area of 830.5 thousand hectare and total production is around 29,779.91 thousand tons. Main banana growing states are Tamil Nadu, Maharashtra,

**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



**The Complete Book on Printing Technology**

This is the age of hi-fi, jets and computers. Rapid advancements in science and technology have made their impact on the printing industry of the world too. The old techniques of printing have become obsolete and made way for the new technology. The book contains the latest printing processes like web, gravure, flexo, security and offset printing. ₹1100 US\$125



**Modern Technology of Pulp, Paper And Paper Conversion Industries**

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



**HANDBOOK ON Modern PACKAGING INDUSTRIES**

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



**Screen Printing Technology Hand Book**

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

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



**The Complete Technology Book on Textile Spinning, Weaving, Finishing & Printing**

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



**The Complete Technology Book on Textile Processing with Effluent Treatment**

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



**Modern Technology of TEXTILE DYES & PIGMENTS**

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 wants to diversify in this field. ₹1100 US\$100



**The Complete Technology Book On STARCH AND ITS DERIVATIVES**

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



**The Complete Technology Book on Dyes & Dye Intermediates**

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



**Natural Fibres Handbook with Cultivation & Uses**

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



**The Complete Book On Natural Dyes and Pigments**

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 & Toilettries (With Formulae & Project Profiles) 3rd Edn.**

The book contains the formulae of different types of soaps, detergents (cake, powder and liquid) toilettries, analytical testing method, quality control of finished products, packing criteria of cosmetics and toilettries 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. ₹1100 US\$125



**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 3rd Revised 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. ₹1575 US\$150



**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 Lotions for various uses, Lipsticks, Shampoos, Dandruff Tonics, Nail Polishers etc. ₹1100 US\$125

**BOOKS ON WOOD, LEATHER, GLASS & CERAMICS**

**The Complete Technology Book on Wood and Its Derivatives**

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

Gujarat, Andhra Pradesh and Karnataka.

The global production of banana is around 102028.17 thousand tons of which India contributes 29.19%. Besides India, other major banana producing countries are China, Philippines, Ecuador, Brazil and Indonesia.

Banana Puree or Banana Pulp is processed from a selected variety of banana grown in the sub-tropical region of South India. The Cavendish banana puree (banana pulp) obtained from Indian bananas is considered best in quality owing to the superior size, flavor, taste and thickness of the Indian bananas. Banana Puree is widely mixed into daily food, juices, nectars, drinks, jams, bakery fillings, and fruit meals for children. Banana puree or banana pulp is used as flavor for baby foods, ice creams, yoghurts. Banana yoghurt makes a healthy snack and banana ice cream, milk shakes and delicious desserts are favorites among children.

The demand of Banana Products in market is increasing rapidly due to nutritive and medicinal characteristics of it. India is one of the major country producing banana and its derivatives. Banana Derivatives includes: Puree, Ice-Creams, Fruit breads, cakes, tarts, muffins, pie-fillings, icings, donuts, fruit bars, milk shakes, yogurts, puddings, toppings, deserts, baby food, etc.

**COST ESTIMATION**

Capacity	: 2160 MT/annum
Plant & Machinery	: Rs. 155 Lakhs
Cost of Project	: Rs. 519.73 Lakhs
Rate of Return	: 28.45%
Breakeven Point	: 58.39%

## Integrated Unit

**TEXTILE MILL AND READYMADE GARMENTS**

A textile or cloth is a flexible woven material consisting of a network of natural or artificial fibers often referred to as thread or yarn. Yarn is produced by spinning raw fibers of wool, flax, cotton, or other material to produce long strands. Textiles are formed by weaving, knitting, crocheting, knotting, or pressing fibers together (felt).

The words fabric and cloth are used in textile assembly trades (such as tailoring and dressmaking) as synonyms for textile. However, there are subtle differences in these terms in specialized usage. Textile refers to any material made of interlacing fibers.

Fabric refers to any material made through weaving, knitting, spreading, crocheting, or bonding that may be used in production of further goods (garments, etc.). Cloth may be used synonymously with fabric but often refers to a finished piece of fabric used for a specific purpose (e.g., table cloth).

**USES**

Textiles have an assortment of uses, the most common of which are for clothing and containers such as bags and baskets. In the household, they are used in carpeting, upholstered furnishings, window shades, towels, covering for tables, beds, and other flat surfaces, and in art. In the workplace, they are used in industrial and scientific processes such as filtering. Miscellaneous uses include flags, backpacks, tents, nets, handkerchiefs, cleaning rags, transportation devices such as balloons, kites, sails, and parachutes, in addition to strengthening in composite materials such as fiberglass and industrial geo-textiles. Children can learn using textiles to make collages, sew, quilt, and toys.

Textiles used for industrial purposes, and chosen for characteristics other than their appearance, are commonly referred to as technical textiles. Technical textiles include textile structures for automotive applications, medical textiles (e.g. implants), geo-textiles (reinforcement of embankments), agro textiles (textiles for crop protection), protective clothing (e.g. against heat and radiation for fire fighter clothing, against molten metals for welders, stab protection, and bullet proof vests).

**MARKET SURVEY**

**COTTON TEXTILES & READYMADE GARMENTS**

The textile industry occupies a leading position in the hierarchy of the Indian manufacturing industry. It was estimated to contribute 14% to industrial output, 4% to GDP and about 11% to India's export earnings. Besides, it provides direct employment to over 35 mn people and is the second biggest employer. Its direct linkages with the rural economy, being dependent on fibre crops, is also closely linked with diverse crafts, such as those using cotton, wood and silk and handlooms employing millions of farmers and craftsmen in rural and semi-urban areas.

In the global context, the industry accounts for 61% of loomage, 22% of spindle age, 12% of the production of textile fibres and yarn, and 25% share in the total world trade of cotton yarn. The industry is made up of small-scale, non-integrated spinning, weaving, finishing and apparel-making units as well

**PAINTS, VARNISHES, LACQUERS & ENAMELS, SURFACE COATING, TESTING METHODS**

	Surface Coating Technology Handbook ₹ 1475/- US\$ 125		Spirit Varnishes Technology Handbook (with Testing and Analysis) ₹ 1275/- US\$ 125
	Handbook on Paints and Enamels ₹ 1275/- US\$ 125		The Testing Manual of Paints, Varnishes and Resins ₹ 1875/- US\$ 150
	Handbook on Paint Testing Methods ₹ 1575/- US\$ 150		

**HERBAL PRODUCTS, AYURVEDIC, DRUGS, COSMETICS, NATURAL PRODUCTS**

	Handbook on Cosmetics (Processes, Formulae with Testing Methods) ₹ 1675/- US\$ 150		Handbook on Drugs from Natural Sources ₹ 1175/- US\$ 125
<b>GUMS, ADHESIVES &amp; SEALANTS, ROSIN &amp; DERIVATIVES, RESINS AND OLEORESINS</b>			
	The Complete Technology Book on Industrial Adhesives ₹ 1675/- US\$ 150		The Complete Book on Water Soluble Gums and Resins ₹ 1675/- US\$ 150



## 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, oils used in paints and varnishes, solvents, driers, pigments, 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 occupying 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 forest wealth. **₹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**

integrated composite mills. Of the nearly 2700 units engaged in spinning yarns, 1135 are small scale. The weaving units numbering 4.8 mn have only 10,000 units in the organized sector, while the rest are engaged in handlooms (3.9 mn) and power looms (1.8 mn). Of the 3,300 processing units, nearly 2,100 are independent small units, while the fabricators of garments number 77,000 small scale units.

The cumulative production of cotton fabrics from all sectors has increased from 19.8 bn sq mt in 2001-02 to over 28.5 bn sq mt. in 2007-08. This points to a healthy 6.4% annual growth during the period. In the three year period, coinciding with removal of quotas and the liberalisation of export trade, the increase has been more marked at close to 11.5% per annum.

Compared with the industry in other countries the Indian textile industry is endowed with some inherent advantages, such as abundance of raw material and cheap labour. As a result, India is the second largest cotton trader after the USA, having the largest area (9 mn hectare) under it.

The government has set a target to attract more than USD 8 bn (Rs 400 bn) foreign direct investment (FDI) in textiles and garments sector over the next 5 year period. It has targeted Europe, the US, and China as potential investors. It will attract leading equity funds and foreign banks to invest in the domestic textile sector. It will also attract foreign designer houses and garment manufacturers, under its plan. For setting up textile units through public-private partnership, a scheme for Integrated Textile Park (SITP) has been launched to provide world class infrastructure facilities. Besides this, 50 textile parks are being established to enhance manufacturing capacity and increase the industry's cost competitiveness.

The Government of Bihar has announced its plans to establish two textile parks in the state. The first one, Vikramshila Textile Park, is being set at a cost of Rs 1.2 bn and the second one, Angh Pradesh Handloom Park, at a cost of Rs 250 mn. The two together are expected to attract investments of over Rs 6 bn. The readymade garment industry in India owes its genesis to the emergence of a highly profitable market for exports. The cue was enough

for Indian enterprises to foray into the domestic market for readymade garments. The export surpluses and rejects fuelled the emergence of a domestic market. This steadily led to the entry of foreign brands, either through their direct entry or through joint ventures. This was facilitated by the changes in the lifestyles of the modern Indian consumers.

With the rising tailoring costs and relatively low prices of standardised products, the Indian consumer increasingly took to ready-mades. In the past, the readymade market remained confined mainly to baby dresses and small manila-shirts and dress shirts. Now it has extended to trousers, suits, lady dresses and, of course, fashion garments for men and women. Franchised boutiques have been established as tools for brand and image building.

The Indian clothing market for readymade garments is estimated at over Rs 1000 bn with men's wear segment accounting for 46%, while the shares of women's and kids' clothing are pegged at 36% and 17%, respectively. The Indian branded garment market, which is estimated at over Rs 200 bn, accounts for over 26% of readymade market. Following the entry of several new brands, the branded segment has grown at 25% annually. This represents a shift from unbranded to the branded segment.

**COST ESTIMATION**

Capacity	: 86.40 Lakhs pieces/annum
Plant & Machinery	: Rs. 382 Lakhs
Cost of Project	: Rs. 929.30 Lakhs
Rate of Return	: 28.34 %
Breakeven Point	: 69.16 %

**Cattle Feed**

The principal feed resources for animal consumption in the country are crop residues like straws of wheat, rice and other cereals and stovers, which are very poor in feed value. Even these are in short supply. These are supplemented to some extent by relatively better quality fodders like cultivated leguminous and non-leguminous fodder grasses and concentrates. The latter are formulated largely from agro-industrial by-product and forest wastes and small quantities of low-grade cereals with the present stock of feed and fodder resources available in the country, it is well impossible to meet the nutrient requirements of even the present day low-producing cattle and buffaloes. Such a situation is bound to aggravate difficulties in the feeding of better producing livestock such as cross breed lows in exploiting their full genetic potentiality for early growth, better reproduction and higher milk production.

Livestock in the country, therefore, suffer widely from insufficient supply of nutrients. The unconventional agro-industrial by products and forest wastes may find a greater use as livestock feeds in coming years.

The nutritive value of tropical feeds and fodder is lower than those grown in temperate region. This situation does not allow cows to consume maximum amount of feed, nor to get feed of minimum allowable digestibility. It is not possible to anticipate any remarkable improvement in the feed situation in the near future and also in the supply of high digestible ingredients like worse grains.

The digestibility of feed for meeting nutrient requirements of the cattle must bear relation to its

*Continue on page 32*

**TEXTILE SPINNING, WEAVING, TEXTILE AUXILIARIES, DYES & PIGMENTS, NATURAL DYES & PIGMENTS, NATURAL FIBERS & WOOLLEN**

	Handbook on Natural Dyes for Industrial Applications ₹ 1100/- US\$ 125		Woollen Spinning, Weaving, Knitting, Dyeing, Bleaching and Printing Technology Handbook ₹ 1100/- US\$ 125
	Handbook on Textile Auxiliaries, Dyes and Dye Intermediates Technology ₹ 1575/- US\$ 150		A Concise Guide on Textile Dyes, Pigments and Dye Intermediates with Textile Printing Technology ₹ 1675/- US\$ 150
	The Complete Book on Textile Processing and Silk Reeling Technology ₹ 1750/- US\$ 150	<b>RUBBER CHEMICALS</b>	
			The Complete Book on Rubber Chemicals ₹ 1575/- US\$ 150



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
- ◆ Cheating 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, Pickels & 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
- ◆ Masala (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 & Kham
- ◆ 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 & Suji)
- ◆ 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 :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com

## 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

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

106-E, Kamlu Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com



## 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. (Diocetyl 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

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com



## 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 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 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 :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com



## 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>◆ Aerial Bundled 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; Chandeliers</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> |
|--|--|--|---|

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

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com

## 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 Fensiy & 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 Metrial 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 Parlour
- ◆ Holiday Resort
- ◆ Hospitals
- ◆ Hotel (Small Hotel with Banquet Halls, Restaurant and Catering Facility)
- ◆ Hotel 5 Star
- ◆ Hotel/Small Hotel
- ◆ Ice Cream Parlour
- ◆ Kids Entertainment Cum Food Center (Restaurant) at The Mall
- ◆ Market Complex
- ◆ Multiplex Cinema Hall, PVR with Shopping Center
- ◆ Multistoried Commercial Complex
- ◆ Multiflory 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 Parlour & 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, Sweters, Caps, Muflers with Dying & 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, Baniyan, 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 :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com

## 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

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com

## 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
- ◆ Jali for Fan [Fan Gaurd] [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 :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com

## 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 & Refined)
- ◆ 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

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com



## 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)
  - ◆ Coating of Titanium Dioxide on Plastic Surface
  - ◆ 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 Films & 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 :

### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY

106-E, Kamla Nagar, Delhi-7. Ph.: 91-11-23843955, 23845886, 23845654 Mob.: 9811043595 Fax: 91-11-23841561 E-mail: npcs.india@gmail.com



## 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
  - ◆ 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

intake capacity.

### MARKET SURVEY

Cattle feed is a peculiar product consumed mainly by cattle owners of rural area. Animal industrial enterprises in all area and so, the market for cattle feed is very scattered. The consumers are living by and large in poverty and so they have hardly enough finances to spare for cattle feed. Yet cattles are the only source of earring in many cases and to increase their own earning they try to spend upon cattles as much as possible. Unawareness about the product and its importance should also be looked after. The benefits of this scientifically prepared cattle feed over traditional feed has become as popular as they should be. The problem is much of replacing unscientific feeding system with scientific feed.

Estimation of Demand on the Basis of Various Macro Factors—

Broadly there are five factors affecting demand.

- 1) Population of cattle and its composition.
- 2) Financial Position of Farmers.
- 3) Awareness of Farmer to the production.
- 4) Quality of available cattle feed.
- 5) Government policy and the program of cattle development.

India has the largest cattle, buffalo and goat population according to latest census. There are about 200 million cattle, 50 million buffaloes and 90 million goats in the country. About one sixth of the cattle, about half of buffalo and one fifth of goat population in world are in India. Animal husbandry plays an important role in the national life and accounts for about 10% of the national income. In particular the contributor of the cattle and buffalo to the economy is considerable. They are the main source of drought power in agricultural operations and rural transportation they provide essential, foods like milk and meal.

### COST ESTIMATION

Capacity	: 14400 MT/annum
Plant & Machinery	: Rs. 23 Lakhs
Cost of Project	: Rs. 202.57 Lakhs
Rate of Return	: 30.01%
Breakeven Point	: 66.03%

## PARTICLE BOARD FROM BAGASSE

Bagasse is the waste of sugar industry. It can be used for the production of bagasse base board or solid fuels or for the production of power

## 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.)

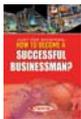
The uniqueness of this book is that it furnishes in a lucid manner various steps, incentives and facilities relating to export business. Essential factors for successful exporting, preliminaries for stating export business, registration for exporters, sending samples, procurement of license, processing 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



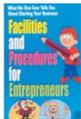
### Just for Starters How to Become a Successful Businessman 3rd Rev.Ed.

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



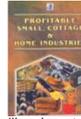
### Select & Start Your Own Industry (4th Rev.Edn.)

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 )

यह पुस्तक उन नये एवं प्रथम पीढ़ी के उद्यमियों की आवश्यकताओं को ध्यान में रखकर लिखी गयी है जिन्हें औपचारिक औद्योगिक प्रशिक्षण प्राप्त नहीं है और लाभकारी परियोजनाओं के कार्यान्वय हेतु प्रयत्नशील हैं। इसके अतिरिक्त लघु उद्योगपतियों, व्यवसायिकों, तकनीकी परामर्शदाताओं आदि के लिए भी यह पुस्तक बहुत सहायक सिद्ध होगी। विभिन्न उत्पादों की उत्पादन विधि, मशीन, उपकरण एवं कच्चे माल की जानकारी तथा उनके मिलने के पते, लागत, लाभांश आदि दस पुस्तक के विशेष आकर्षण है। ISBN:8186623566 Price: ₹650 US\$100



### लघु एवं गृह उद्योग ( स्वरोजगार परियोजनाएं )

लघु उद्योगों का किसी भी राष्ट्र की प्रगति में सर्वाधिक योगदान रहा है। नो पीढ़ी जिसे औपचारिक औद्योगिक प्रशिक्षण प्राप्त नहीं है, और कोई लाभकारी उद्योग लगाना चाहती है। उनकी आवश्यकताओं को ध्यान में रखकर यह पुस्तक लिखी गई है। नये उद्यमियों के लिए यह पुस्तक एक अमूल्य मार्गदर्शक सिद्ध होगी। उपलब्धता, लागत, लाभ आदि विवरण इस पुस्तक में दिये गये हैं। ISBN:8186623868 Price: ₹600 US\$100



## SELECTED PROJECTS FOR YOU

or for the production of Alcohol. Now we are intending to produce bagasse base board. For the manufacturing of bagasse base board, it should be in the form of fine particle and other raw material used phenol formaldehyde base adhesive and neem leaf dust. The required plant machineries are solid mixing machine, hydraulic press, hot air dust or drier and S.S made mould. There is gradually demand increase in wood base products. There are few manufacturers who makes board by partial use of fine particles of bagasse. In this product manufacturing there is very minimum amount of environmental pollution. The product board can compete with the ply board or wood base board. This can be very safely handled and transport from one place to another place. Quality of board depend on the fine technique of finishing. Any new entrepreneur may enter into this field will be successful. It is solid, sort and net easily breakable. It is not easily effected by weather and temperature up to 60 °C. It can be transport from one place to another place. It can be sized easily according to requirement.

### COST ESTIMATION

Capacity	: 2000 Nos./Day
Plant & Machinery	: Rs. 637 Lakhs
Cost of Project	: Rs. 1098 Lakhs
Rate of Return	: 26.59%
Breakeven Point	: 53.25%

### USES & APPLICATION

It can be used for making different variety of furniture like, chair, table, bed etc. It can be used for making panel board, windows, doors etc. It can be used for making partition in the room. It is used in Construction companies, school, colleges, paints, and for domestic uses.

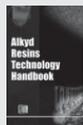
### MARKET SURVEY

Few organized and many private organizations are engaged in the manufacturing of ply board or wood board or bagasse base board. There is growth about 5-8% per annum. These is no import of ply board, these is scope of export of ply board as well as wood board is there. In the near future projected demand of bagasse base board will be increased by 5% as this is the product of wood substitute.

## SYNTHETIC RESINS, ALKYD, PHENOLIC RESINS



Phenolic Resins Technology Handbook  
₹ 1275/- US\$ 125



Alkyd Resins Technology Handbook  
₹ 1100/- US\$ 125

## ALCOHOLIC AND NON-ALCOHOLIC BEVERAGES (FRUIT JUICES, WHISKY, BEER, RUM AND WINE)



The Complete Technology Book on Alcoholic and Non-Alcoholic Beverages (Fruit Juices, Whisky, Beer, Rum and Wine)  
₹ 2575/- US\$ 200



The Complete Book on Wine Production  
₹ 2275/- US\$ 200

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



### NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 CERTIFIED COMPANY  
106-E, KAMLA NAGAR, DELHI-7 (INDIA)  
Ph: 91-11-23845886, 23843955, 23845654 (M) 9811043595  
Fax : 91-11-23841561  
E-mail : npcs.india@gmail.com Website : www.niir.org

DL(N)/114/2012-14  
U(DN)154/2012-14

## ENTREPRENEUR INDIA

An Industrial Monthly Journal  
on Industrial Development  
Technologies & Project  
Opportunities

### SUBSCRIPTION RATES FOR INDIA

Single copy	₹ 20.00
One year	₹ 220.00
Three Years	₹ 600.00

Plus ₹ 50/- for outstation cheques. DD/ Cheques to be drawn in favour of Entrepreneur India.

### FOR OVERSEAS

Single Copy	US \$	5
One Year	US \$	50
Three Years	US \$	125

Project Reports included in this issue were prepared on the basis of data available at the time of preparing these reports. With the passage of time there might be variations in data. Entrepreneurs are requested to update the data before venturing into any project discussed herein. However efforts has been made to give correct information even then no guarantee can be given about the authenticity of the matter. All disputes are subject to Delhi Jurisdiction only.

### PUBLISHERS :



NIIR PROJECT CONSULTANCY SERVICES  
AN ISO 9001 : 2008 CERTIFIED COMPANY

Marketing Associate of  
**NATIONAL INSTITUTE OF INDUSTRIAL RESEARCH**  
AN ISO 9001 : 2000 COMPANY  
(Dedicated to Global Industrial Development)

106-E, KAMLA NAGAR,  
(Nr. Delhi University), DELHI-7 (INDIA)  
Ph.: 91-11-23843955, 23845886, 23845654  
Mobile : 9811043595 Fax : 91-11-23841561  
E-Mail : npcs.india@gmail.com, info@niir.org  
Website: www.niir.org

### PUBLISHING ASSOCIATES :



Asia Pacific Business Press Inc.  
AN ISO 9001 : 2008 CERTIFIED COMPANY

## BOOKS ON RUBBER, FIBER/OPTICAL GLASS, PLASTIC, POLYMERS, PETROLEUM GREASES, PETRO CHEMICALS, WAX, POLISHES & CHEMICAL INDUSTRIES

### Modern Technology Of **Industrial Chemicals**

In modern age Chemical Industries have permeated most extensively in comparison with other industries, and are progressing at a very rapid pace. This book elucidates chemicals which have good market potential. This book deals with manufacturing processes with reaction, technical details, equipments involved in processing etc. **₹1100 US\$125**

### The Complete Technology Book On **PESTICIDES, INSECTICIDES, FUNGICIDES & HERBICIDES WITH FORMULAE & PROCESSES**

Pesticides, Insecticides, Fungicides and Herbicides are used in agriculture, forestry, animal husbandry, commercial centers and houses for the pest control. During last 35 years, consumption of these products has increased manifold and industries are coming up throughout the world due to its increasing demand. The book contains formulae, processes of different types of pesticides, insecticides, fungicides and herbicides. **₹1100 US\$125**

### 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 (99.99999% 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 specialties, which offer much larger scope for standing out due to an enhanced contribution of technical services and application know how. **₹1100 US\$125**

### The Complete Book on **Distillation and Refining of Petroleum Products**

The most dynamic industry of the century is the petroleum and petrochemicals industry. It has taken the fundamental knowledge of chemistry and chemical engineering and transformed itself from a simple processing industry for fuel and lubricants to an extremely complex chemical process industry which has branched out into synthetic rubber, plastics, fertilizers and many other fields. The book presents Practical information and data which will help oil companies, large scale users of commercial petroleum products in efficient storage, handling and utilization of these products. Different formulae, processes for the production of petroleum products are given in this book. **₹975 US\$100**

### 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**

### **DRUGS & PHARMACEUTICAL TECHNOLOGY HANDBOOK**

India has come a long way in the field of manufacture of Drugs and Pharmaceuticals. From a country importing more than 95% of its requirement of Drugs and Pharmaceuticals, India now is exporting it even to developed countries. The modern Indian Pharmaceutical Industry is recent and its foundation was laid in the beginning of the current century. The pharmaceutical industry can be broadly categorized as Bulk Drugs, Formulations, IV Fluids and Pharmaceutical Aids (such as medical equipment, hospital disposables, capsules, excipients etc). Special feature of the pharma industry is a large number of manufacturers in the small scale sector. The government is also encouraging the SSI sector providing some incentives. **₹1075 US\$125**

### The Complete Book on **Medical Plastics**

The use of plastics in health care field encompasses several distinct markets. Plastic is used on a large scale as medical devices like disposable syringes, optical and dental products, heart valves, contact lenses and many more medical products. This way plastic has very importance in making medical devices. The present book contains the important information of plastics in medical field and their uses in various ways. **₹975 US\$100**

### The Complete Book on **Rubber Processing and Compounding Technology**

Rubber products industry is an important resource based industry sector in India. Over the last decade the rubber industry has witnessed a steady and strong growth. Rubber can be deformed to a high degree of strain in a reversible manner and this special property finds use in fields as diverse as transportation, material handling, health care, and sport and leisure activities. The book covers manufacturing processes of rubber products, compounding of rubber, quality assurance, applications etc. **₹1575 US\$150**

### The Complete Technology Book on **Plastic Extrusion, Moulding and Mould Designs**

There are fundamentally two different methods of extruding film, namely, below extrusion and slit die extrusion. The design and operation of the extruder upto the die is the same for both methods. The moulding process is one of the most important plastic processing operations. It is an important commercial process whereby a resinous polymeric compound is converted into useful finished articles. The origin of this process is dates back about a century to the invention of a plunger type machine. The moulds have its own importance, which give the required shapes of the products. The book covers manufacturing processes of extruded and moulded products with the various mould designs. **₹1000 US\$100**

### The Complete Technology Book on **Fibre Glass, Optical Glass and Reinforced Plastics**

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**

### The Complete Technology Book on **Plastic Films, HDPE and Thermoset Plastics**

Plastic Films, HDPE and Thermoset Plastics are now an accepted part of the industrial and domestic scenes but this growth has been comparatively recent. The major applications of HDPE are in the manufacturing of containers, pipes, house wares, toys, filament, woven sacks, film, wire and cable insulation. Thermoset is a polymeric material which can be formed by the application of heat and pressure, but as a result of a chemical reaction permanently cross links and cannot be reformed upon further application of heat and pressure. The present books offer an upto date overview of the processing of plastic films, HDPE and thermoset plastics. **₹1175 US\$125**

### Modern Technology of **PLASTIC PROCESSING INDUSTRIES 2nd Ed.**

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**

### HAND BOOK ON **BIO-DEGRADABLE PLASTICS (ECO-FRIENDLY PLASTICS)**

Waste Plastics suffocated soil clog drainage and lead to whole lot of ecological problems, they have debilitating effects on ecology. This is the first book of its kind which give the complete information about bio-degradable plastics. **₹600 US\$100**

### **POLYMERS AND PLASTICS TECHNOLOGY HANDBOOK**

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**

### Modern Technology of **Plastic & Polymer Processing Industries**

This book offers, in a standardized and readily accessible information on the synthesis, structure, properties and applications of the most important polymeric materials. It has been designed as a text giving a balanced coverage of the science and technology of polymers finding major applications as plastics. **₹750 US\$100**

### The Complete Technology Book On **Chemical Industries**

This book should be of great value to young chemical engineers and chemists who are just entering the field but those already practicing will find much of interest and use for broadening their insight in to fields in which they are only marginally informed. It is hoped that this book will aid to young engineers, chemical, civil, mechanical and electrical as well as chemists, in understanding the value of chemical, the type of problems met in their production and method for solving these problems. **₹975 US\$100**

### Modern Technology of **Petroleum, Greases, Lubricants & Petrochemicals**

Lubricants, Greases and Petrochemicals are most versatile on the industrial Plateau now a days. The significance of Lubricants, Greases & speciality products in the day-to-day functioning of nearly every machine part, instrument, appliance & device can not be over emphasized lubricants reduce friction & wear between rubbing parts, there by enhancing their life. The basic object of this book is to furnish comprehensive information about nearly all prominent types of Lubricants, Greases & Petrochemicals. This book covers formulae, processes of various petroleum items. **₹1100 US\$100**

### **Industrial Chemicals Technology Hand Book**

The book contains manufacturing processes, reactions, equipments details, process flow diagram of number of chemicals, which have huge industrial uses. This book is very useful for new entrepreneurs, industrialists, consultants, research scholars, technical institutions, chemists and libraries. **₹1100 US\$125**

### Hand Book on **CHEMICAL INDUSTRIES (ALCOHOL BASED)**

Alcohol is a very valuable material which has variety of uses such as for production of chemicals, as a source of energy and fuel etc. The book covers manufacturing details of various alcohol based chemicals. **₹750 US\$100**

### **Speciality Plastics, Foams (Urethane, Flexible, Rigid) Pet & Preform Processing Technology Handbook**

Polymer science is a specialised phase of organic chemistry, except in the case of inorganic silicones. Plastic technology is one of the fields where people can show their ability and performance both theoretically and practically. The book covers processes and other required information for the manufacturing of different Speciality plastics, Foams, PET and Pre-form PET etc. **₹1275 US\$125**

### The Complete Technology Book on **Expanded Plastics, Polyurethane, Polyamide and Polyester Fibres**

Expanded plastics are also known as foamed plastics or cellular plastics. Expanded plastics can be flexible, semi flexible, semi rigid or rigid. They can also be thermoplastic or thermosetting and can exist as open-celled or closed-celled materials. The Polyurethanes are among the most recent additions to the many commercially important classes of polymers. Urethanes can be considered esters of the unstable carbamic acid or amide esters of carbonic acid. The present book covers processes of expanded plastics, polyamides with other related information required by an entrepreneur. **₹1275 US\$125**

### The Complete Technology Book on **POLYMERS (with Processing & Applications)**

Three factors are essential for any successful processing of polymers, namely materials, machinery and process control. The materials presently used comprise all existing thermoplastics and thermosets in the molecular weight range from 15000 to several million. Polymers have importance in manufacturing of various domestic and industrial products. The present book covers the latest technology of polymer processing and its related products. This is very useful book for new entrepreneurs, professionals, technocrats, researchers and technological institutions etc. **₹1100 US\$125**

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

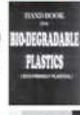
Wax and polishes are used for many purposes. Wax has their principal use in waterproofing. Some other important uses are in candles, polishes, electrical insulation, coatings and carbon paper. There are various types of polishes having industrial and domestic applications. The purpose of this book is 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**

It is well known that the major consumption of additives is in PVC compounds. Approximately 80% of additives are being used in PVC, however the left over 20% is consumed in compounding of other thermoplastics. Plastic master batches and fillers have their own importance in plastic processing industries. The present book through light on processing of industrial polymers, additives, colourant and fillers. **₹1100 US\$125**

### The Complete Book on **Biodegradable Plastics and Polymers**

(Recent Developments, Properties, Analysis, Materials & Processes)  
In response to public concern about the effects of plastics on the environment and in particular the damaging effects of sea litter on animals and birds, legislation is being enacted or is pending in many countries ban non-degradable packing, finishing nets etc. Waste plastics suffocate soil, clog drainage and lead to a whole lot of ecological problems they have debilitating effect on ecology. Environmentally acceptable degradable polymers have been defined as polymers that degrade in the environment by several mechanisms and culminate in complete biodegradation so that no residue remains in the environment. The present book gives thorough information to biodegradable plastic and polymers. **₹1275 US\$125**



R.N.I. NO. 61509/95 POSTAL NO. DL(N)/114/2012-14 at DELHI R.M.S.  
 VIDE U.NO. U(DN)154/2012-14 LICENSED TO POST WITHOUT PREPAYMENT AT DELHI R.M.S.

**Books & Directory on HERBAL, CULTIVATION, HERBAL PRODUCTS  
 COSMETICS, AYURVEDIC MEDICINES**

R.N.I. NO. 61509/95 DL(N)/114/2012-14  
 VIDE U.NO. U(DN)154/2012-14

**HERBAL COSMETICS &  
 AYURVEDIC MEDICINES (BOU)** (3rd Rev.Edn.)

This book is very useful for entrepreneurs, industrialists, project consultants, libraries etc. and has special reference for Herbal Cosmetics and Ayurvedic Medicines with formulae, processes, foreign buyers, Machinery and raw material sources, project profiles etc. ₹1475 US\$150



**Hand Book On  
 Unani Medicines**

**With Formulae, Processes, Uses And Analysis**

Tremendous progress has been registered in the development of modern medicine. Yet, medicinal plants continue to be an important source of drugs throughout the world. Unani medicine is one of them. Plant as a source of drugs of much more important for the developing countries of Asia, Africa and South America. This publication is one of its kind which clearly indicates the usefulness of Unani medicine, shows how the plant secrets, preserve the natural secrets/harmones/juices which ultimately uses in Unani system of medicine. ₹1100 US\$125



**Hand Book on  
 Ayurvedic Medicines**

**With Formulae, Processes & Their Uses** (2<sup>nd</sup> Rev. Edn.)

This is the first book of its kind which contains formulae and processes of different types of Ayurvedic Medicines like Churn, Capsules, Cyruaps, Sharbats, Pastes etc. Used in various diseases. ₹1475 US\$150



**HAND BOOK ON  
 Herbal Drugs and Its Plant Sources**

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



**HERBAL FOODS AND ITS MEDICINAL VALUES**

Food has been a basic part of our existence. Through the centuries we have acquired a wealth of information about the use of food as a part of our community, social, national and religious life. It has been used as an expression of love, friendship and social acceptance without knowing the medicinal values of such food. This book for the first time reveals the exact medicinal characteristics and how it works and cures the different disease to make mankind healthy. ₹1275 US\$125



**Handbook On  
 Medicinal Herbs With Uses**

Medicinal herbs are the local heritage with global importance. World is endowed with a rich wealth of medicinal herbs. The Variety and sheer number of plants with therapeutic properties is quite astonishing. Medicinal herbs have curative properties due to presence of various complex chemical substance of different composition, which are found as secondary plant metabolites in one or more parts of these plants. These plant metabolites, according to their composition, are grouped as alkaloids, glycosides, corticosteroids, essential oils etc. During the past decade, a dramatic increase in exports of medicinal herbs attests to worldwide interest in these products as well as in traditional health systems. The pharmaceutical industries have made massive investment on pharmacological, clinical and chemical researches all over the world in past five decades. Efforts have been made to discover still more potent plant drugs. ₹1075 US\$125



**Hand Book on  
 Neem and Allied Products**

The neem tree, which is also known as Margosa or Indian iliac, grown extensively in Asian and African countries. The neem is very useful tree due to its medicinal and insecticidal properties and can be grown even under semi arid and subhumid conditions upto 700m above sea level. The book covers cultivation of neem and processing of its products. ₹975 US\$100



**The Complete Technology Book On  
 HERBAL BEAUTY PRODUCTS WITH  
 FORMULATIONS AND PROCESSES**

Indian Medical System advocates the use of medicinal plants as drug source. Drugs obtained from plant origin occupy important position in different pharmacopoeist. Products from natural sources are an integral part of human health care system because of major concern about synthetic drugs and their side effects and toxicity. The ancient Indian system of medicine needs verification on modern scientific basis. An attempt to blend ancient and modern science as well as art could be fruitful and such attempts must be carried out on sound scientific basis. ₹1100 US\$125



**HERBAL COSMETICS  
 Hand Book**

This is the first book of its kind which contains formulae and processes of various herbal cosmetics like cosmetic for the skins, cosmetics for bath purpose, cosmetics for nails, cosmetics for hair, oral cosmetics, analysis of cosmetics, test methods, machinery and raw material suppliers etc. ₹1500 US\$150



**The Complete Technology Book on  
 Natural Products  
 (Forest Based)**

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, Essential Oils and other natural products obtained from Indian forests. It gives an insight of richness and vastness of the forest wealth. This book is first of its kind, which covers comprehensive treasure of information on a wide variety of forestry products. ₹1275 US\$125



**Hand Book on  
 Herbal Medicines**

The book contains Formulae of different Herbal Medicines used in all kind of diseases. This is the first book of its own kind. ₹750 US\$100



**Herbal Soaps &  
 Detergents Hand Book**

The book covers formulae, processes of different types of herbal soaps & detergents being used in daily life. This is the first book of its kind. ₹1275 US\$125



**Hand Book on  
 HERBAL PRODUCTS  
 (Medicines, Cosmetics, Toiletries, Perfumes) 2 Vols.**

Both the volumes covers processes, formulations, analysis methods with the addresses of raw material and machinery suppliers, project profiles, list of manufacturers, exporters and overseas importers of various herbal medicines, cosmetics, perfumes and toiletries. The book also contains addresses of different Ayurvedic & Unani medicines research institutes. ₹1500 US\$220 (FOR BOTH VOLUMES)



**Compendium of  
 Medicinal Plants**

The book contains systematic account of the most important plants used in medicines. Each chapter covers botanical descriptions, parts used, Ayurvedic properties, clinical uses, constituents with the figure of the plant. ₹875 US\$100



**Aloe Vera Handbook  
 (Cultivation, Research Findings, Products,  
 Formulations, Extraction & Processing)**

Aloe Vera is a semi tropical plant. There are over 250 species of Aloe grown around the world. It contains more than two hundred tonic ingredients including essential amino acids, minerals, vitamins, enzymes and steroids. Also contains the most essential components required by the human body. It is grown wild in hedge-rows in dry soil conditions and almost all parts of India. It can be grown even under constant drought conditions. Commercial cultivation and utilization of this plant with the application of technology can be of great value. ₹1275 US\$125

