

# Project Profiles for Small Enterprises

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**The only way to determine if your ideas can potentially be profitable as a business and is worth pursuing further is to conduct feasibility studies. The purpose each entrepreneur should conduct a detailed feasibility assessment or study is to test if that business idea makes: Personal Sense, Business Sense, Market Sense, and Financial Sense. Without looking at the personal aspect, business concept, the market, and the financials, as well as analyzing the data and information, an entrepreneur is likely not to be successful or not as successful as s/he would like to be. A business plan is an essential roadmap for business success. A business plan provides direction, keeps you on track and is usually a requirement when you seek finance.**

**A business plan is a formal grid map of all of your business goals, and plans on how to achieve them. Entrepreneurial skills assist Small scale industries generate growth and development of new ventures in developing economies. At the entrepreneurship development level, a key role of the programme is to develop tools and programmes that deal with the long term effects of entrepreneurial culture.**

**We believe that preparing a business plan is important for any business regardless of its size or nature. To make it easier here are few project profiles for planning a business:**



# Projects Covered In This Issue

**Virgin Coconut Oil**

**Insulator (HT & LT)**

**Desiccated Coconut Powder**

**Toothpaste**

**Cold Storage for Fruits and Vegetables**

**Tomato Products - Tomato Ketchup, Sauce and Soup**

**High Rise Apartments, Villas, Shopping Mall with**

**Multiplex, International School and Convention Centre**

**Disposable Plastic Syringes**

**Maize Starch & Its By Products**



**Atta, Maida, Suji & Wheat Bran (Roller Flour Mill)**

**NPK Complex Organic Fertilizer Plant**

**Humic Acid**

**Fulvic Acid**

**Adhesive Based on Epoxy Resin (2 Pack)**

**Aluminium Wire & Cables**

**Namkeen (Dalmotth, Bhujia, Chana Chur, Khatta  
Meetha)**

# Detailed Project Report On Virgin Coconut Oil

Virgin coconut oil (VCO) is the purest form of coconut oil. Introduced onto the world market at the end of the 20th century, it is one of the highest value products derived from the fresh coconut. It is growing in popularity as functional food oil and the public awareness of it is increasing. It is the oil obtained from the fresh and mature kernel of coconut by mechanical or natural means, with or without the use of heat, without undergoing chemical refining, bleaching or deodorizing, and which does not lead to the alteration of the nature of the oil.

It is expected that VCO will experience a dramatic growth in the market. The introduction of VCO has open up new research that basically reveals new things besides what has already been known on commercial coconut oil. Coconut oil is extensively used for food and industrial purposes.

# Detailed Project Report On Insulator (HT & LT)

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

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



# Detailed Project Report On

## Desiccated Coconut Powder

The coconut is the most extensively grown and used nut in the world and the most important palm. Coconut Production plays an important role in the national economy of India. India is a major producer of coconut in the world. Desiccated coconut powder is a commercial product manufactured mainly in Ceylon, Philippines and New Guinea apart from India.

It contains no cholesterol or trans fats while being rich in a number of essential nutrients, including dietary fiber, manganese, copper and selenium. It is then ground into very fine powder and packed. Desiccated coconut powder is used in the manufacture of cakes, pastries and chocolates. This industry is mainly suitable at the coastal area of West Bengal, Orissa, Andhra Pradesh, Tamil Nadu, Maharashtra and Kerala. Kerala is best place with very simple reason as bulk cultivators of coconut and cheap labour.

# Detailed Project Report On Toothpaste

Toothpaste is a paste or gel to be used with a toothbrush to maintain and improve oral health and aesthetics. Earlier oral Hygiene was the domain of local homemade powders and ayurvedh practitioners. With the entry of Colgate in Indian market place the awareness about Oral care and the importance of oral care has been increased. The purpose of oral hygiene using toothpaste is to reduce oral bacterial flora. Mouth bacteria have been linked to plaque, tooth decay and toothache. The main purpose of toothpaste is to reduce oral bacterial flora and deliver fluoride to the teeth.

Nowadays, toothpastes are produced to serve multiple purposes at the same time and, thus, possess a complex chemical composition. The ideal toothpaste must have the following properties: slight abrasion, froth, sweetening, bleaching and prevention of plaque, calculus and decay.

# Detailed Project Report On

## Cold Storage for Fruits and Vegetables

India is the largest producer of fruits and second largest producer of vegetables in the world. In spite of that per capita availability of fruits and vegetables is quite low because of post-harvest losses which account for about 25% to 30% of production. This is mainly because of perishable nature of the produce which requires a cold chain arrangement to maintain the quality and extend the shelf-life if consumption is not meant immediately after harvest.

A cold storage is a temperature-controlled supply chain network, with storage and distribution activities carried out in a manner such that the temperature of a product is maintained in a specified range, needed to keep it fresh and edible for a much longer period than in normal ambient conditions. This system facilitates long distance transport of various products as well as makes seasonal products available over the entire year.



# Detailed Project Report on Tomato Products Tomato Ketchup, Sauce and Soup

Tomatoes are widely consumed and worldwide cultivated. They are one of the most important crops around the world. It is one of the most important food crops in India also. It grows in almost every state of the country. Tomato is one of the most important "protective foods" because of its special nutritive value. It is one of the most versatile vegetable with wide usage in Indian culinary tradition. Tomatoes are used for soup, salad, pickles, ketchup, puree, sauces and in many other ways.

Tomato is a valuable raw material used for processed products such as juice, puree, and paste, ketchup/sauce, soup and canned whole. The recent scientific advances have revolutionised tomato processing industries.

# Detailed Project Report On

## High Rise Apartments, Villas, Shopping Mall with Multiplex, International School and Convention Centre

The requirements of growing population are growing at rapid rate with the rate of population. People are searching for more space for their enhancing lifestyles. It is self explanatory that accommodation is one of the basic requirements for any industry or a person personally. Land is getting wrapped with concrete and bituminous. In this case to achieve the demands of people the high rise buildings are the major solution both aesthetically, and technically.

A Multiplex is a multi-screen entertainment complex showing different films under one roof with other type of supporting different films under one roof with other type of supporting business in the vicinity like restaurants, shopping arcade and other entertainment avenues. A convention center is a large building that is designed to hold a convention, where individuals and groups gather to promote and share common interests.

# Detailed Project Report On Disposable Plastic Syringes

Disposable Syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the age-old glass syringes. The constantly increasing use of this type Syringe indicates its importance which is based mainly on the advantages it offers regarding cost and hygienic applications. The manufacture of plastic syringes has been developed to such a degree that the products now satisfy the requirements and standards set by Hospital and physicians. At the same time they offer the best possible technique of application to the physician and the highest possible degree of safety to the patient.



# Detailed Project Report On

## Maize Starch & Its By Products

Starch is the most abundant reserve polysaccharide in plants. Today, the main sources of starch extraction are tubers, roots and seeds, primarily from maize, tapioca, potato, wheat and rice. Starch can easily be extracted with high purity, resulting in a white, tasteless and odourless powder. These good organoleptic properties makes it an interesting resource for manifold applications, not only in human food and animal feed, but also as feedstock for non-food industrial applications such as pulp and paper, adhesives and bioethanol. Starch is also biodegradable and can exhibit thermoplastic behavior.

Starch is used in food, cosmetics, paper, textile, and certain industries, as adhesive, thickening, stabilizing, stiffening, and gelling (pasting) agents. Starch consists of amylose and branched amylopectin molecules in molar ratios of 15% - 25% and 85% - 75%, respectively. Maize starch is most commonly used as a thickening and gelling agent, it is also use to produce many organic chemicals.

## **Detailed Project Report On** **Atta, Maida, Suji & Wheat Bran (Roller Flour Mill)**

Around 800 large Flour Mills in the country convert about 10.5 Million Tons of wheat into wheat products i.e., Coarse Flour, Flour, Semolina, Bran & Wheat Germ. The installed capacity of Flour Mills is more than 21 Million Metric Tons. Roller Flour Milling sector processes around 12 – 15 per cent of the total wheat consumed in the country.

Most wheat is consumed in the form of baked goods, mainly bread; therefore, wheat grains must be milled to produce flour prior to consumption. Wheat is also used as an ingredient in compound feedstuffs, starch production and as a feed stock in ethanol production.

The aim of the miller is to extract the maximum proportion of flour from the grain with the least possible contamination by bran, pollard and germ, the first two because they discolor the flour and the last because it reduces the keeping quality. Flour comprises a mixture of fine granules of starch and protein.

# Detailed Project Report On

## NPK Complex Organic Fertilizer Plant

Feeding a population of 9 billion people in 2050 will rely upon the availability of plant nutrients commensurate with the necessary increase in productivity, the deployment of new plant and farming technologies and the cultivation of more marginal land. Food production has increased substantially over the 20th century, partly because of fast yield growth. Fertilizers are soil amendments applied to promote plant growth, the main nutrients added in fertilizer are nitrogen, phosphorus, potassium, other nutrients are added in smaller amounts. Collectively, the main nutrients vital to plants by weight are called macronutrients, including: nitrogen (N), phosphorus (P), and potassium (K) (i.e. NP-K). Organic fertilizer provides all the nutrients that are required by plants but in limited quantities. It helps in maintaining C:N ratio in the soil and also increases the fertility and productivity of the soil. It improves the physical, chemical and biological properties of the soil. It improves both the structure and texture of the soils.



# Detailed Project Report On

## Humic Acid

To improve the organic contents of soils for growing crops there are some applications such as planting rotation, various plough techniques, green fertilizer application and animal fertilizer application. In addition to these practices, utilization of organic-mineral fertilizers in agriculture has increased in recent years. Humic acids are heterogeneous, which include in the same macromolecule, hydrophilic acidic functional groups and hydrophobic groups. Humic acid hydrophilic groups attract hydration, thus increasing the water retention capacity in soils.

Humic substance play a vital role in soil fertility and plant nutrition. Plants grown on soils which contain adequate humin, humic adds (HAs), and fulvic adds (FAs) are less subject to stress, are healthier, produce higher yields; and the nutritional quality of harvested foods and feeds are superior. The value of humic substances in soil fertility and plant nutrition relates to the many functions these complex organic compounds perform as a part of the life cycle on earth.

# Detailed Project Report On

## Fulvic Acid

Fulvic acid is a part of the humic structure in rich composting soil. It is an acid created in extremely small amounts by the action of millions of beneficial microbes, working on decaying plant matter in a soil environment with adequate oxygen. It is of low molecular weight and is biologically very active. Because of its low molecular weight, it has the necessity and ability to readily bond minerals and elements into its molecular structure causing them to dissolve and become mobilized fulvic complexes. Fulvic acid usually carries 70 or more minerals and trace elements as part of its molecular complexes.

It stimulates plant metabolism and gives a positive effect on plant RNA & DNA. Fulvic acid chelates and binds scores of minerals into a bio-available form used by cells. These trace minerals serve as catalysts to vitamins within the cell. Additionally, fulvic acid is one of the most efficient transporters of vitamins into the cell.

# Detailed Project Report On

## Adhesive Based on Epoxy Resin (2 Pack)

The adhesive industry has seen significant changes in recent years. The type and number of these changes have been astounding. They include new substrate materials, regulatory burdens, acquisitions and mergers, new raw materials, new application and curing processes, and a host of volatile technical, commercial, and political issues.

Epoxy technology gives the formulator an almost unlimited number of tools to employ. The type of epoxy polymer backbone, curative, resinous modifiers, and special additives or fillers all serve as degrees of freedom available in developing an adhesive system for a given application. Epoxy adhesives are chemical compounds used to join components by providing a bond between two surfaces. They are high-performance thermosetting resins, which display a unique combination of properties. Epoxy resins have been commercially available for almost a half-century and are arguably one of the most versatile polymers with uses across an enormously wide variety of industries.



## Detailed Project Report On Aluminium Wire & Cables

Wire means Solid conductor or Insulated conductor which has strength and with cover or without cover and Cable means Insulated conductor (Solid or Stranded) or two more than insulated conductor are kept together in insulated layer.

These are made out of high strength Aluminium-Magnesium-Silicon alloy. As compared to conventional ACSR, AAAC are of lighter weight, comparable strength & current carrying capacity, lower electrical losses and superior corrosion resistance. This has given AAAC a wide acceptance in the distribution and transmission lines. This conductor has a minimum conductivity of 52.5% IACS.

The conductor made from aluminium alloys is suitable in urban areas as they provide better tensile strength and conductivity. AAAC exhibits excellent corrosion resistance especially in coastal and polluted industrial areas due to absence of steel core.



# Detailed Project Report On

## Namkeen (Dalmoth, Bhujia, Chana Chur, Khatta Meetha)

Dal Moth, Chanachur, Bhujia and khatta meetha are the important names signifying flavour and taste as processed foods. These are food products having no historical background but have established popularity in the market over many years. Dal moth, Chanachur or Bhujia are not only popular in India but of late has become widely popular in other countries thus making it an important export item.

The main raw materials for these products are Gram, pluses & spices. The various food additives & colours may be used to provide sophistications in the products. The raw material is frequency available in India. These products impart flavor and aroma, they have been widely used during breakfast and festive occasions. These are also used in the appetizing and digestive purposes with a medicinal value. Packaging of the product is also taken a great role of preservation, acceptance the consumer.

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# **Niir PROJECT CONSULTANCY SERVICES**

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# Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



*We at NPCCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. 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. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.*



*We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.*



# What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Business Plan*
- *Industry Trends*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

# How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

# Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



# Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

# Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*



- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitability Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*



## Sectors We Cover *Cont...*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*



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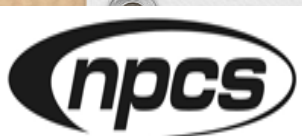
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