

Selected Project Profiles

Investment Opportunities

(NPCS Newsletter – 122015)



Projects Covered In This Issue

- **Bread Plant (Semi–Automatic)**
- **PVC Membrane for Waterproofing**
- **High Tensile Fasteners**
- **Aerosol Cans**
- **Cattle Feed**
- **Bicycle Manufacturing**
- **Detergent Cake**
- **Egg Powder**
- **Pulp and Paper from Bamboo**
- **Activated Carbon Powder from Jute Sticks**
- **Polyethylene Wax**
- **Paint Industry(Decorative Paint & Acrylic Emulsion Paint)**
- **Solar Power Plant**

Detailed Project Report On

BREAD PLANT (SEMI-AUTOMATIC)

- ▶ **Bread is a staple foodstuff, which is made and eaten in most countries around the world. Bread products have evolved to take many forms, each based on quite different and distinctive characteristics. Over the centuries craft bakers have developed our traditional bread varieties using their accumulated knowledge as to how to make best use of their available raw materials to achieve the desired bread quality. In some countries the nature of bread making has retained its traditional form while in others it has changed dramatically. The proliferation of bread varieties derives from the unique properties of wheat proteins to form gluten and from the bakers' ingenuity in manipulating the gluten structures formed within the dough. The rubbery mass of gluten with its ability to deform, stretch, recover shape and trap gases is very important in the production of bread and all fermented products. Of all the cereals, wheat is almost unique in this respect.**
- ▶ **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.**

Detailed Project Report On

PVC MEMBRANE FOR WATERPROOFING

- ▶ The sheet of polyvinyl chloride is used as waterproof barrier in construction for all types of roofs, terraces, walls also in civil engineering in vertical, tunnels or small hydraulic works and water tanks lining (metallic or concrete), ornamental lakes, ponds, pools, golf courses etc.
- ▶ PVC sheets are manufactured with or without UV protection according to the intended application, if the application requires that the film is exposed to the sun (apply UV resistant) if instead the sheet will be covered with another material so that is not exposed to sunlight
- ▶ PVC membrane is a cost-effective alternative to traditional roofing systems and can be produced in a multitude of colors to coordinate with individual building project needs. When produced in bright white, this flexible fabric membrane reduces radiant heat gain, keeping interior temperatures cooler during warmer weather conditions.

Detailed Project Report On **HIGH TENSILE FASTENERS**

Industrial fasteners have a vital contribution for the growth of almost all sectors of industry. It is a wonderful manifestation which joins & secures materials together for any productive uses. A fastener is a connective mechanism that mechanically joins or affixes two or more objects together. A bolt is an externally threaded fastener designed for insertion through holes in assembled parts, and is normally intended to be tightened or released by torquing a nut. A nut is a type of hardware fastener with a threaded hole. Nuts are almost always used opposite a mating bolt to fasten a stack of parts together. The two partners are kept together by a combination of the friction of their threads, a slight stretch of the bolt, and compression of the parts. High tensile nuts and bolts find wide application in joining part where continuous rotation and wear and tear of the nuts and bolts occurs. As the nuts and bolts are subjected to variable stress in a dynamic condition, there is every likelihood that these fasteners can be failed at any instant causing situations like catastrophe. For the above purpose, nuts and bolts are manufactured from alloy steels having high tensile strength and resistant to continuous wear and tear.

Detailed Project Report On **AEROSOL CANS**

- ▶ **The aluminium aerosol can has been one of the most popular packaging materials for cosmetics, pharmaceutical and household items for decades. In addition to its ability for recycling in 100%, this modern packaging material meets all relevant European Standards. The indisputable advantage of the aluminium aerosol can is that it is light and strong at the same time; it excludes the possibility of corrosion and its packaging provides hermetical protection for the completed products. Besides its unique technical properties, the aluminium aerosol can ensures varied range of lithographical printings as well as special shaping options for achieving best ornamental performance of the completed product.**
- ▶ **Aerosols offer a wide range of products from mass-market goods such as cosmetic and household products, to specific aerosol types dedicated for industrial or medical purposes. Food Products: A wide range of food packed in aerosols can be found on the market such as: whipped cream, cooking oil, salad dressing, ketchup, mustard, icing, colorants, cheese spreads, chocolate and coffee powders.**

Detailed Project Report On

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 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 bred lows in exploiting their full genetic potentiality for early growth, better reproduction and higher milk production.

Detailed Project Report On **BICYCLE MANUFACTURING**

- ▶ **A bicycle, is a human-powered, pedal-driven, single-track vehicle, having two wheels attached to a frame, one behind the other. A bicycle rider is called a cyclist, or bicyclist. Bicycles were introduced in the 19th century in Europe and, as of 2003, more than a billion have been produced worldwide, twice as many as the number of automobiles that have been produced. They are the principal means of transportation in many regions. They also provide a popular form of recreation, and have been adapted for use as children's toys, general fitness, military and police applications, courier services, and bicycle racing.**
- ▶ **Bicycles are one of the oldest forms of transportation. Even today millions of people travel by bicycle daily to their work, college, universities and distant places. We are promoted from our childhood days to do cycling as it is one of the easiest ways to keep fit and healthy and works well towards environment protection. They are made of different components that are simple in working. Today there are different types of cycle for different kind of cycling experiences.**

Detailed Project Report On **DETERGENT CAKE**

- ▶ Detergents are defined as complete washing or cleaning products, which contain among their ingredients an organic surface-active compound (Surfactant) that passes soil-removal properties. The term detergent originated from the latin word detergere (i.e. wipe off), is now-a-days applied to all synthetic washing compounds. Synthetic detergent is not only used as household cleaning material but also have industrial applications in textiles, pesticide industry as carriers, etc. Frequently the term detergent is used synonymously with surfactant but common industry practice treats the surfactant as one component of a done here. Additionally this discussion treats primarily, only the so-called synthetic detergents, excluding those products in which soap is the sole or predominant surfactant.

Detailed Project Report On

EGG POWDER

- ▶ **Egg is a highly nutritious product. Eggs are rich in protein, vitamins and minerals. The poultry sector has made tremendous progress in the last decade. It has grown into an organized and highly productive industry. Fresh eggs have a very limited shelf life. To improve the shelf life and for ease of storage and usage egg powder is very convenient. It is quite stable at room temperature and can be stored over longer period. The manufacture of egg powder is an important segment of egg consumption. Egg powder is one of the most common products in poultry industry in the country.**
- ▶ **Egg is one of the most versatile and near perfect foods in nature. It is rich in protein, amino-acids, vitamins and most mineral substances, the yolk and white components are all of high biological value and are readily digested. They are known to supply the best proteins besides milk.**

Detailed Project Report On

PULP AND PAPER FROM BAMBOO

- ▶ **Paper is a major product of the forestry industry, and is used widely in our society. Paper products are used not only in their obvious applications in the publishing industry and for writing on, but also in a variety of specialty papers, cardboards, brown papers etc. In addition, various chemicals are produced as a byproduct of the pulp and paper industry.**
- ▶ **The use of paper for various purposes is an essential feature of the modern society. Therefore pulp and paper manufacturing is very important part of modern industry. Pulp and paper production is based on the use of bamboo as raw material, but also on the consumption of large-scale chemicals, like chlorine, sodium hydroxide, etc.**

Detailed Project Report On **ACTIVATED CARBON POWDER FROM JUTE STICKS**

- ▶ **Activated carbon is a non-graphitic form of carbon, which could be produced by activation of any carbonaceous material such as jute sticks, coconut shells, bamboo, wood chips, sawdust, coal, lignite, paddy husk etc.**
- ▶ **Without adding any additives, chemicals or bonding agents, our Charcoal Powder is completely natural and odor-free. By reducing waste discharged into the environment, or rather, by making full use of our resources, makes Charcoal Powder environmental friendly, and the world, a better place to live.**
- ▶ **The Charcoal Powder itself has numerous of pores, the Charcoal Powder pores can effectively to suck air and all kinds of floating material, to sulfide, hydride, methanol, benzene, phenol and other harmful chemical substances to absorption, decomposition odor and deodorization.**

Detailed Project Report On **POLYETHYLENE WAX**

- ▶ **Waxes are among the oldest worked materials used by humans. Their value as versatile construction materials ("man's first plastic") was discovered very early. Today, waxes are used mostly as additives and active substances. The use of waxes is expected to increase in the future because of their generally favorable toxicological and ecological properties.**
- ▶
- ▶ **The word "wax" usually refers to a variety of organic substances that are solid at ambient temperature but become free-flowing liquids at slightly higher temperatures. The chemical composition of waxes is complex, but normal alkanes are always present in high proportion and molecular weight profiles tend to be wide. The main commercial source of wax is crude oil but not all crude oil refiners produce wax. "Mineral" wax can also be produced from lignite. Plants, animals and even insects produce materials sold in commerce as "wax."**

Detailed Project Report On **PAINT INDUSTRY**

(DECORATIVE PAINT & ACRYLIC EMULSION PAINT)

- **Paint is any liquid, liquefiable, or mastic composition that, after application to a substrate in a thin layer, converts to a solid film. It is most commonly used to protect, color, or provide texture to objects. Paint can be made or purchased in many colors—and in many different types, such as watercolor, synthetic, etc. Paint is typically stored, sold, and applied as a liquid, but dries into a solid.**
- **The binder is the film-forming component of paint. It is the only component that must be present if the binder material is suitable for application. Many binders are too thick to be applied and must be thinned. The type of thinner varies with the binder. The thinner is also called the vehicle, because it makes it possible to transfer the binder to the surface with a brush, roller or sprayer. Components listed below are included optionally, depending on the desired properties of the cured film.**

Detailed Project Report On

SOLAR POWER PLANT

- ▶ **Renewable energy in India comes under the purview of the Ministry of New and Renewable Energy. India was the first country in the world to set up a ministry of non-conventional energy resources, in early 1980s. India's cumulative grid interactive or grid tied renewable energy capacity (excluding large hydro) has reached 33.8 GW, of which 66% comes from wind, while solar PV contributed nearly 4.59% along with biomass and small hydro power of the renewable energy installed capacity in India.**
- ▶ **Fossil fuel reserves are diminishing rapidly across the world, intensifying the stress on existing reserves day-by-day due to increased demand. Not only that, fossil fuels, presently contributing to 80% of world primary energy, are inflicting enormous impacts on environment. Climatic changes driven by human activities, in particular the production of greenhouse gas emissions, directly impact the environment. Energy sector has a key role in this regard since energy during its production, distribution and consumption is responsible for producing environmentally harmful substances.**

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CONSULTANCY
SERVICES ON #STREET VIEW**

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Niir PROJECT CONSULTANCY SERVICES

AN ISO 9001:2008 COMPANY

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

WHAT DO WE OFFER?

- ▶ Project Identification
- ▶ Detailed Project Reports/Pre-feasibility Reports
- ▶ 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

SECTORS WE COVER *CONT...*

- ▶ 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

SECTORS WE COVER *CONT...*

- ▶ 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

SECTORS WE COVER *CONT...*

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

SECTORS WE COVER *CONT...*

- ▶ 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.

SECTORS WE COVER *CONT...*

- ▶ 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

SECTORS WE COVER *CONT...*

- ▶ 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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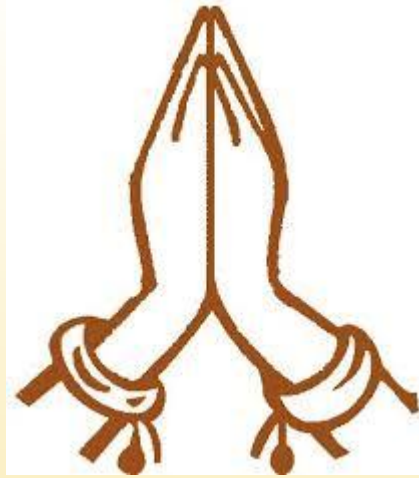
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