

Choosing the Right Project: Profiles for Investment (NPCS Newsletter – 082015)



Projects Covered in this Issue

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Surgical Blade & Disposable Scalpel

Detailed Project Report on Dall Mill

- ▣ The various pulses are part of the normal diet of all vegetarians and are also used frequently by non-vegetarians too. They are the main sources of protein. The important dalls in the country are Channa Moong, Urad, Moth, turdall and Masoor, Matar etc. The pulses are used for preparing hot dishes, sweet dishes and other varieties. There are over 1000 units at present engaged in processing of various pulses in different parts of the country, but most these mills are based on obsolete type technology resulting invariably in high production losses. The pulse milling industry is predominantly a small-scale industry and has been reserved for exclusive development in small-scale sector.
- ▣ Pulses being the most common diet part of Indian families, need to be given the due importance in the form of production of pulse grains in the farms is also likely to see a break through. A pulse grain is made of two parts covered under a continuous encloser called husk or peels. Cleanly removing the peels and splitting the pulse grains in fact two pieces is the most desired form of dall to be cooked for the families. Pulse mills can satisfy the tastes of consumers by providing unbroken natural full parts of the pulse grains with no husk part left behind on the pulse being supplied to the consumer.

Detailed Project Report on Bleaching Earth

- Bleaching earth consists primarily of hydrous aluminium silicates (clay minerals) of varying composition. Common components are montmorillonite, kaolinite and attapulgite. Small amounts of other minerals may be present in bleaching earth deposits, including calcite, dolomite, and quartz. In some localities bleaching earth refers to calcium bentonite, which is altered volcanic ash composed mostly of montmorillonite.
- Bentonite as a Bleaching Earth is a particular kind of clay derived from volcanic ash and consists mainly of montmorillonite with minor amount of illite, kaolinite, cristobalite and other minerals. Bentonite has strong colloidal properties and, when in contact with water, increases its volume several fold by swelling, forming a tixotropic, gelatinous substance. Main uses of Bentonite as a bleaching earth take advantages of these colloidal properties.

Detailed Project Report on Textile Cotton Spinning

- Spinning is a major part of the textile industry. It is part of the textile manufacturing process where three types of fibre are converted into yarn, then fabrics, which undergo finishing processes such as bleaching to become textiles. The textiles are then fabricated into clothes or other products. There are three industrial processes available to spin yarn, and a handicraft community who use hand spinning techniques. Spinning is the twisting together of drawn out strands of fibres to form yarn, though it is colloquially used to describe the process of drawing out, inserting the twist, and winding onto bobbins.
- Cotton fabric is popular because it's easy to care for and comfortable year-round. In hot, humid weather, cotton "breathes." As the body perspires, cotton fibers absorb the moisture and release it on the surface of the fabric, so it evaporates. In cold weather, if the fabric remains dry, the fibers retain body heat, especially napped fabrics.

Detailed Project Report on Herbal Cosmetics

- ❑ Cosmetics are substances used to enhance the appearance or odor of the human body. Cosmetics include skin-care creams, lotions, powders, perfumes, lipsticks, fingernail and toe nail polish, eye and facial makeup, permanent waves, colored contact lenses, hair colors, hair sprays and gels, deodorants, baby products, bath oils, bubble baths, bath salts, butters and many other types of products.
- ❑ Herbal cosmetics have growing demand in the world market and are an invaluable gift of nature. There are a wide range of herbal cosmetic products to satisfy beauty regime. Adding herbs in cosmetics is very safe for our skin. Herbal cosmetics are in high demand due to the increasing interest of mankind towards them because they are more effective with nil or less side effects, easily available ingredients etc.

Detailed Project Report on Hollow Glassware

- Glass is an amorphous (non-crystalline) solid material which is often transparent and has widespread practical, technological, and decorative usage in things like window panes, tableware, and optoelectronics. The most familiar, and historically the oldest, types of glass are based on the chemical compound silica (silicon dioxide), the primary constituent of sand. The term glass, in popular usage, is often used to refer only to this type of material, which is familiar from use as window glass and in glass bottles.
- Hollow Glasswares are made from silica sand and soda ash. Hollow Glasswares contribute about 80% of total glass production. Glass Hollow ware such as glass bottles, table ware, lemon set, tumbler, jar and chimney are being used since ancient times. These items have a great demand due to frequent use and regular breakage. Glasswares are very much useful and essential for storage and packing of wine, food and chemicals etc. Demand of glass containers is increasing consistently. Glass containers are widely used in every household. The most widespread glass products belong to the hollowware family. Hollowware is encountered everywhere. In the broadest sense, these products are consumer goods such as bottles, or consumer durables such as drinking glasses or glass lamps. Thus, due to demand it is a good project for entrepreneurs to invest.

Detailed Project Report on Vanilla Farming

- ❑ Vanilla is a tropical orchid, cultivated for its pleasant flavour, which is one of the costliest spices in the international market. Though more than 50 species of vanilla exist, only three are important as sources of vanillin. *Vanilla planifolia* Andrews is the most preferred commercially and therefore, cultivated widely. Karnataka leads in the country's vanilla cultivation followed by Kerala and Tamil Nadu. Sixty percent of the 1,000 hectares under vanilla cultivation in India, is in Karnataka.
- ❑ Vanilla (*Vanilla planifolia* Andrews) is a climbing orchid. It is native of the Atlantic coast from Mexico to Brazil. It is second most expensive spice after saffron, valued for its pleasant flavour. The principal sources of vanillin (□-glycosidase) is obtained from its cured beans (pods).

Detailed Project Report on Hospital

- A hospital as a health care organization has been defined in varied terms as an institution involved in preventive, curative/ameliorative, palliative or rehabilitative services. However, the definition given by WHO is quite exhaustive and exclusive, in which it is defined as, 'an integral part of the medical and social organization which is to provide for the population complete health care, both curative and preventive; and whose out patient services reach out into the family in its home environment. The hospital is also a centre for the training of health workers and for bio-social research'.
- Hospitals, these days, also provide bio-social research; teaching and training facilities for all members of the hospital, and a health team which includes not only doctors and nurses, but also para-professionals, paramedicals, pharmacists, etc. operationally, a hospital could be viewed as consisting of service facilities for out-patient, in-patient, general wards, emergency, special wards, Intensive Care Units, operation theatre, delivery suite; and support services, such as, pharmacy, radiology and imaging, CSSD, blood bank, laboratory, etc

Detailed Project Report on Surgical Hand Gloves

- ▣ Surgical gloves are personal protection equipment (PPE) designed to protect clinicians in operating room (OR) environments. The primary purpose of surgical gloves is to act as a protective barrier for surgeons and nurses to prevent possible transmission of diseases or pathogens during procedures while working with surgical instruments. Similar to medical examination glove, surgical glove standards are governed by the Food and Drug Administration (FDA) within the United States. However, the FDA requires manufacturers to meet a higher level of quality standards for surgical gloves. All surgical gloves are sterilized and package sealed in pairs for individual use. The sterilization of surgical gloves is standard as surgical procedures often involve open wound operation. Today, surgical gloves are made from a variety of materials which include latex, polyisoprene, neoprene, and nitrile.
- ▣ A glove is a type of garment which covers the hand of a human. Gloves have separate sheaths or openings for each finger and the thumb; if there is an opening but no covering sheath for each finger they are called "fingerless gloves".

Detailed Project Report on Socks Manufacturing

- ❑ A sock is an item of clothing worn on the feet. The foot is among the heaviest producers of sweat in the body, as it can produce over 0.25 US pints (0.12 l) of perspiration per day. Socks help to absorb this sweat and draw it to areas where air can evaporate the perspiration. In cold environments, socks decrease the risk of frostbite.
- ❑ Knitted socks are an item of general use. These have a sizeable market at home and also have an export potential. Cotton socks, as compared to nylon socks, are subject to rapid replacements. Further, due to higher rate of urbanization, local demand has also increased manifolds in recent years. So this validates the opportunity to set up a new sock manufacturing unit to capture the need of expanding market. Socks are broadly classified into two main categories, cotton and nylon or blended socks. Cotton socks are specially preferred by sportsmen, besides their normal use and also have export potential as well.

Detailed Project Report on Instant Noodles

- Many fast food items have flooded the markets but noodles have emerged as the most popular item as it is cheaper, very easy to make and nutritious. Urban and semi-urban markets are controlled by Maggi and other players are Top Ramen and other brands. Maggi has revolutionised the concept and this product has gone to majority of the urban households. As an off-shoot of this development, noodles have become very popular in India.
- Instant noodles are mostly fried noodles which are made of flour, water, alkaline salt and other additives. The consumption of instant noodles is global due to their characteristics such as convenience to eat, easy to mass-produce, widely acceptable taste, preferred texture and affordable prices. Instant noodles are dried or precooked noodles fused with oil, and often sold with a packet of flavoring.

Detailed Project Report on Double Wall Corrugated Pipes

- ▣ A double wall pipe is the most common corrugated pipe design for drainage and sewage. Various different designs of pipes are available, such as single channel or double flow channels, and they all have in common a smooth inner surface for good flow rates and a corrugated layer. Double wall corrugated pipes can be produced with either one or two extruders. The latter allows walls with two different materials in a single pipe. In addition there are other corrugated pipe designs that can be found on the market, such as triple wall pipe (smooth inner and outer walls and a corrugated structural core) and Ultra Rip (smooth inner wall with concentric reinforcing ribs that encircle the pipe to provide higher ring stiffness).
- ▣ Corrugated pipes represent the ideal solution for the abduction of any kind of water, chemicals, affluent and sewers, because they combine the advantage of corrosion resistance. Typical properties that result in advantages in Corrugated Pipe can be summarized as follows. Higher mechanical resistance due to the structure of the pipe . Corrosion resistance , both of the external wall and internal wall in contact with the conveyed fluid. No protections such as coating, painting or cathodic are needed. Corrugated pipes are resistant to nearly all chemicals . Very long life , virtually infinite of the material which does not need maintaining. Low weight of pipes lengths that allows for the use of light laying and transport means.

Detailed Project Report on PVC Shrink Sleeves

- ❑ Shrink sleeve labels are sleeves constructed from film material that, rather than using adhesive, shrinks to a product's surface when heat is applied. This type of labeling allows the graphics to be printed around the entire circumference as well as take the shape of the product's container. The eye-catching design of 360° graphics that form-fit containers has great consumer appeal.
- ❑ The shrink label can best be described as a film label printed on an oriented plastic sheet or tube, which, when heat is applied to the label, conforms – or shrinks - to the contour of the container. There are two different types of shrink label: the shrink sleeve label and the rollfed, wrap-around shrink label.
- ❑ Shrink wrap/sleeve is applied over or around the intended item, often by automated equipment. It is then heated by a heat gun or sent through a shrink tunnel or oven for shrinking.

Detailed Project Report on PET Bottle Recycling

- PET-bottles more and more replace glass bottles in the beverage and food sector. The success of PET in comparison to glass is based on several economic (and environmental) advantages.
- On the one hand, the production of PET is less expensive and energy consuming than the production of glass. Secondly, the light weight of the PET-bottle makes it easier for merchants and consumers to handle the bottles and crates. It saves energy during transport, particularly on long distance haulage. Finally, PET offers more or less the same material properties as glass regarding hygiene, taste and gas impermeability.
- The consumption of bottled water has been increased very much in the past few years. Plastics are significant and make a positive contribution with regards to packaging in various ways. By sorting and processing plastic packaging that is found in predominantly homogeneous streams, the value and market availability is maximized for the collected plastic packaging industry. Plastic bottles, plastic tubs, and plastic bags all have the potential to be recycled. One of the fastest growing types of collected plastic materials for recycling is polyethylene terephthalate ("PET") from post-consumer beverage and water bottles. For beverages and other juices, plastic bottles are used more preferably.

Detailed Project Report on Dairy Farming & Dairy Products (Pasteurised Milk & Curd)

- In India dairying has been practiced as a rural cottage industry since the remote past. Semi commercial dairying started with the establishment of military dairy farms and cooperative milk unions throughout the country towards the end of the Nineteenth century. However market milk technology may be considered to have commenced in 1950, with the functioning of the Central Dairy of Aarey milk colony, and milk product technology in 1956 with the establishment of AMUL Dairy, Anand.
- The importance of milk in human diet especially for children and expectant and nursing matters is vital. To meet the demand of the increasing population milk production in India has to be increased. It is neither possible nor desirable to increase the cattle and buffalo population to achieve this target. This can only be achieved by stepping up milk production of our bovine population by cross breeding of cows and use of improved cows and cow.

Detailed Project Report on Tundish Insulated Powder (Radex)

In modern steelmaking and casting plants, steel is produced either in a basic oxygen furnace (BOF) or in an electric arc furnace (EAF). In a BOF, hot metal and scrap are blown by oxygen gas with a flux addition, such as lime, to remove carbon, phosphorus, sulfur, and silicon. A modern EAF produces steel by remelting and refining steel scrap and other raw materials, and also uses oxygen gas injection and lime addition. The steel melt with dissolved oxygen thus produced is tapped into a ladle, where it is deoxidized with ferroalloys, Fe-Si, Fe-Si-Mn, and/or metallic aluminum. The deoxidation products, such as silica, manganosilicates, alumina, aluminosilicates, aluminates and/or their composites, are largely removed from the melt by flotation. Whenever necessary, the deoxidized melt is further processed in a ladle furnace (LF) to remove any remaining suspended oxide particles (called non-metallic inclusions, or simply inclusions), to lower the sulfur content, and to adjust the melt's chemistry and temperature. Degassing of steel melt is done in vacuum refining facilities (RH, VAD, or VOD) to decrease hydrogen for crack sensitive grades and/or carbon for ultra low carbon grades to meet customer specifications.

Detailed Project Report on Wood Plastic Composite (WPC)

- Wood plastic composites (WPCs) are roughly 50:50 mixtures of thermoplastic polymers and small wood particles. The wood and thermoplastics are usually compounded above the melting temperature of the thermoplastic polymers and then further processed to make various WPC products. WPC can be manufactured in a variety of colors, shapes and sizes, and with different surface textures. Depending on the processing method, WPCs can be formed into almost any shape and thus are used for a wide variety of applications, including windows, door frames, interior panels in cars, railings, fences, landscaping timbers, cladding and siding, park benches, molding and furniture.

Detailed Project Report on A.A.C. Blocks from Silica Sand & Lime Stone Powder

- ❑ Autoclaved Aerated Concrete (AAC) is a non-combustible, lime-based, cementitious building material that is expanding into new worldwide markets. As a single-component building material, AAC has achieved acceptance in new markets throughout the world.
- ❑ Autoclaved Aerated Concrete (AAC) is a fully integrated building system of panels and blocks that are used for residential, commercial and industrial buildings. AAC, a light-weight green building material, is fire resistant and has good thermal insulation, solid structure and is easy to work with. This is a light-weight building material produced by autoclaving a set mix of fine siliceous materials such as ground sand or fly ash and a binder like Portland cement or lime. Lightness is achieved by incorporating a large proportion of closed microscopic pores in the slurry with the help of entraining or foaming agent.

Detailed Project Report on Surgical Blade & Disposable Scalpel

- ▣ A scalpel is a small but extremely sharp knife used for surgery, anatomical dissection, and various arts and crafts. Scalpels may be disposable or re-usable. Scalpel blades are usually of hardened and tempered steel. Surgical scalpels consist of two parts, a blade and a handle. Standard Surgical Blades are available in both high carbon and stainless steel. Stainless steel single-piece surgical blades are strong and corrosion-resistant to provide superior cutting ability.
- ▣ These are essential tools for surgical incision. Scalpels are used for a variety of surgeries and medical procedures. Scalpels and blades are a crucial component to cardiac surgery, interventional cardiovascular surgery, successful bypass surgery and cardiac transplant surgery. In addition to cardiovascular surgery, endoscopic surgery has seen a demand for high quality surgical scalpels and blades. Precision incision equipment is needed in procedures such as appendectomies, hernia repair, intestinal surgeries and diagnostic biopsy operations. The Indian technology is now able to manufacture small yet extremely sharp scalpels and surgical blades.

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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
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- ▣ 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



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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