

NPCS Newsletter - Issue 54



Projects Covered In This Issue

- **Blood Bags**
- **Precipitated Silica from Rice Husk Ash**
- **Distribution Transformer**
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- **Micronutrients Fertilizer for Banana, Vegetables and Citrus**
- **Sanitary Napkins**
- **Extraction of Salt from Sea Water**
- **HDPE/PP Bags**
- **Corrugated Cartons**
- **Health Drink (Cocoa Beverages in Granules Form)**
- **Carbonated and Non Carbonated Drinks (Non-Alcoholic)**
- **Production Unit of Liquid Washing Soap, Perfumed Bleach for the Wash of White Cloths, Toilet/Tills Hard Stains Remover Liquid , Detergent Powder**

Detailed Project Report On Blood Bags

- Blood bag is a disposable bio-medical device used for collection, storage, transportation and transfusion of human blood and blood components. The system consists of a single or multiple bag connected with tubings, needle, needle cover, clamp etc. The Blood Bags are made of plastic-material, which are compatible with blood.
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- The introduction of flexible PVC bags for the storage of blood and its components totally replaced the use of glass bottles because of its numerous advantages. Blood bags enable better separation of blood components in a more sterile manner and safer transfusion of components. This has led to increasingly wider use of blood component therapy than whole blood use, thus enabling more effective use of the scarce donor blood that is available.

Detailed Project Report On Precipitated Silica from Rice Husk Ash

- Rice husk is an agricultural residue easily available in rice producing countries. India is a major rice producing country, and the husk generated during milling is mostly used as a fuel in the boilers for processing paddy, producing energy through direct combustion & or by gasification. The rice husk contains about 75% organic volatile matter & the balance 25% of the weight of this husk is converted into ash during the firing process, is known as rice husk ash (RHA). This RHA in turn contains around 85%–92% amorphous silica.
- Silica is one of the valuable inorganic chemical compounds. It can exist in gel, crystalline and amorphous forms. It is the most abundant material in the earth's crust. Silica is the major constituent of rice husk ash. With such a large ash content & silica content in the ash it becomes economical to extract silica from the ash, which has wide market & also takes care of ash disposal.

Detailed Project Report On Distribution Transformer

- A distribution transformer is a transformer that provides the final voltage transformation in the electric power distribution system, stepping down the voltage used in the distribution lines to the level used by the customer. If mounted on a utility pole, they are called pole-mount transformers (or colloquially a pole pig). If the distribution lines are located underground, distribution transformers are mounted on concrete pads and locked in steel cases, thus known as pad-mount transformers. Because of weight restrictions transformers for pole mounting are only built for primary voltages under 30 KV.

Detailed Project Report On Seamless Pipes and Tubes

- The seamless steel pipe industry is almost one century old. The prime reason for the development was provided by transportation sector. Petroleum sector consumes largest quantities of seamless tubes. The Indian seamless tube industry is about 55 Years old.
- Seamless pipe as the name suggests is a pipe without a seam or a weld-joint in contrast to Seam or Welded pipe. In a Seam or Welded pipe, the seam or the weld-joint is the weaker part of the pipe limiting the strength of the pipe to the strength of the weld-joint. Whereas the seamless pipe does not have any such joint and thus has uniform structure & strength all over the pipe body. Thus the seamless pipe can withstand higher pressure, higher temperature, higher mechanical stress & corrosive atmosphere and find wide applications in Oil & Gas, Refinery, Petrochemical, Chemical, Fertilizer, Power, Automotive, Bearing, Mechanical & Structural applications.

Detailed Project Report On

Micronutrients Fertilizer for Banana, Vegetables and Citrus

- Micronutrients are elements which are essential for plant growth, but are required in much smaller amounts than those of the primary nutrients; nitrogen, phosphorus and potassium. The micronutrients are boron (B), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo), zinc (Zn), and chloride (Cl). While chloride is a micronutrient, deficiencies rarely occur in nature, so discussions on supplying micronutrient fertilizers are confined to the other six micronutrients.
- Deficiencies of micronutrients have been increasing in some crops. Some reasons are higher crop yields which increase plant nutrient demands, use of high analyses NPK fertilizers containing lower quantities of micronutrient contaminants, and decreased use of farmyard manure on many agricultural soils. Micronutrient deficiencies have been verified in many soils through increased use of soil testing and plant analyses.

Detailed Project Report On Sanitary Napkins

A sanitary napkin or a sanitary towel is an absorbent item used by a woman while she is menstruating or in any other situation where it is necessary to absorb a flow of blood. It also serves to protect clothing and furnishings. Not only must the sanitary napkin provide comfort and safety, but also enhance every woman's health and lifestyle. Thus, due to demand it is a good project for entrepreneurs to invest.

Sanitary Napkins are exclusively used by adult girls & Ladies around the world during for maintaining physical aid & to avoid wetting or staining of the clothes.

Detailed Project Report On Extraction of Salt from Sea Water

- Salt is an essential ingredient for the survival of all living creatures, including humans. Salt is needed in regulating the fluid balance or water content of body. Salt cravings may occur as a result of trace mineral deficiencies or due to the deficiency of sodium chloride itself. Salt is important for life, but its overconsumption can cause health problems, such as high blood pressure, in those individuals who are genetically predisposed to hypertension. Main source of salt is rocks and sea. Maximum consumption of salt is in its natural form after being produced from sea or directly from rock.

Detailed Project Report On HDPE/PP Bags

- Woven fabric is a textile formed by weaving. It is produced on a loom, and made of many threads woven on a warp and a weft. Woven polypropylene/HDPE bags or simply woven PP/HDPE bags are considered to be the toughest packaging bags, widely used to pack materials for grain, milling and sugar industry.
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- HDPE/PP oriented strips are becoming increasingly popular in India & have caught the eye of many end users for their requirement of packing materials. They have become popular on account of their inertness towards chemical, moisture & excellent resistance towards rotting & fungus attack.

Detailed Project Report On Corrugated Cartons

- Packing, in a way represents the extent of industrialization of a country. Packaging has been assuming importance in the context of growth of industries in general and consumer industries in particular. Paper is one of the most important materials that enter packaging. Paper is extensively used for making boxes, bags, sealing tapes, drums and tubes and as cushioning materials.
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- The materials now available for packaging are paper and paper products, metal containers and foils, glass, plastics-rigid and flexible, cellulose films, textiles including jute, woven plastics and wood. Among the packaging materials, paper and paper based products continue to occupy a predominant place.

Detailed Project Report On Health Drink

(Cocoa Beverages in Granules Form)

- The health food drink market in India is approx. 300,000 MT per annum and is growing at the rate of around 15% per annum. The health food drinks are popularly used as a milk additive for better nutrition and taste. Health Food Drinks are added to the diet to boost overall health and energy; to provide immune system support and reduce the risks of illness and age-related conditions; to improve performance in athletic and mental activities; and to support the healing process during illness. However, most of these products are treated as food and not regulated as drugs are. Most of the Health Food Drinks in India are Malted Food Drinks. The Malted Food Drink is a sub category of the Health Food Drink in India.
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Detailed Project Report On Carbonated and Non Carbonated Drinks (Non-Alcoholic)

- A carbonated drink is a drink that bubbles and fizzes with carbon dioxide gas. The process by which the gas dissolves in the drink is known as carbonation. This process can occur naturally, such as in naturally carbonated mineral water that absorbs carbon dioxide from the ground, or by man-made processes, as is the case in most soft drinks and soda waters. This involves pumping carbon dioxide into the drink at high pressure, then sealing the container. Since the solubility of carbon dioxide is less at lower pressure, the dissolved gas escapes as bubbles when the container is opened and the pressure is relieved.

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Detailed Project Report On Production Unit of Liquid Washing Soap, Perfumed Bleach for the Wash of White Cloths, Toilet/Tills and

- Laundry detergent, or washing powder, is a type of detergent (cleaning agent) that is added for cleaning laundry. In common usage, "detergent" refers to mixtures of chemical compounds including alkylbenzenesulfonates, which are similar to soap but are less affected by hard water. In most household contexts, the term detergent refers to laundry detergent vs hand soap or other types of cleaning agents. While detergent is still sold in powdered form, liquid detergents have been taking major market shares in many countries since their introduction in the 1960s.
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- Bleach is a chemical compound derived from natural sources used to whiten fabrics. Bleach works by the process of oxidation or the alteration of a compound by the introduction of oxygen molecules.

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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
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- Project Identification
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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
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- 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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