

Best New Business Ideas for Startup

(NPCS Newsletter - 022016)



Projects Covered In This Issue

- ▶ Solid Waste Management
- ▶ Biomedical Waste Recycling
- ▶ Plastic Waste Recycling Plant
- ▶ Bricks from Fly Ash
- ▶ Benzoic Acid
- ▶ Bio-Degradable Plastic Polymer from Corn
- ▶ Freeze Dried Vegetables

Detailed Project Report On Solid Waste Management

- ▶ Due to rapid increase in the production and consumption processes, societies generate as well as reject solid materials regularly from various sectors - agricultural, commercial, domestic, industrial and institutional. The considerable volume of wastes thus generated and rejected is called solid wastes. In other words, solid wastes are the wastes arising from human and animal activities that are normally solid and are discarded as useless or unwanted. This inevitably places an enormous strain on natural resources and seriously undermines efficient and sustainable development. One of the ways to salvage the situation is through efficient management of solid wastes.

Detailed Project Report On Biomedical Waste Recycling

- ▶ Biomedical waste is waste that is either putrescible or potentially infectious. Biomedical waste may also include waste associated with the generation of biomedical waste that visually appears to be of medical or laboratory origin (e.g., packaging, unused bandages, infusion kits, etc.), as well research laboratory waste containing biomolecules or organisms that are restricted from environmental release.
- ▶ Biomedical waste may be solid or liquid. Examples of infectious waste include discarded blood, sharps, unwanted microbiological cultures and stocks, identifiable body parts, other human or animal tissue, used bandages and dressings, discarded gloves, other medical supplies that may have been in contact with blood and body fluids, and laboratory waste that exhibits the characteristics described above. Waste sharps include potentially contaminated used (and unused discarded) needles, scalpels, lancets and other devices capable of penetrating skin.

Detailed Project Report On Plastic Waste Recycling Plant

- ▶ Waste is now a global problem, and one that must be addressed in order to solve the world's resource and energy challenges. Plastics are made from limited resources such as petroleum, and huge advances are being made in the development of technologies to recycle plastic waste among other resources. Mechanical recycling methods to make plastic products and feedstock recycling methods that use plastic as a raw material in the chemical industry have been widely adopted, and awareness has also grown recently of the importance of Thermal recycling as a means of using plastics as an energy source to conserve petroleum resources.
- ▶ Plastics have their impact on the environment through all stages of their existence from manufacture, to utilization and disposal. Manufacturing requires significant quantities of fossil fuels, a non-renewable resource. Burning of plastic releases smoke which contaminates the environment. The smoke contains small particulates, hazardous substances and green house gases.

Detailed Project Report On

Bricks from Fly Ash

- ▶ Fly Ash is a burnt residue of pulverized coal (bituminous or sub-bituminous) and is siliceous in nature. In past few decades, R&D efforts were undertaken and it has been proved that this material can be utilized in number of ways in building construction products as well as in civil works with adequate durability. Major areas of fly ash utilization are Building materials such as Bricks, Blocks, Tiles, etc. Also used in Grouting, Engineered fills for low-lying land spaces for human settlement, use in Road Construction and Construction of ash dykes and embankments.
- ▶ Fly Ash brick is a product of basic cement clinker materials i.e. FLY ASH, STONE DUST/SAND, LIME, GYPSUM and BONDING AGENT. The mix is so ideally worked out to produce bricks of higher strength with consistency as well as uniformity.

Detailed Project Report On

Benzoic Acid

- ▶ Benzoic acid $C_7H_6O_2$ (or C_6H_5COOH), is a colorless crystalline solid and a simple aromatic carboxylic acid. Today, benzoic acid is produced by oxidation of toluene with air, which has displaced dichromate and nitric acid oxidation processes.
- ▶ Benzoic acid and its derivatives are widely distributed in nature. Gum benzoin contains from 12-18% benzoic acid in free and esterified forms. Other natural products containing benzoic acid are the bark, foliage, fruits, and seeds of various plants, including cherries and prunes. Hippuric acid, found in the urine of herbivores, is a glycine derivative of benzoic acid.

Detailed Project Report On Bio-Degradable Plastic Polymer from Corn

- ▶ Polymer, that are cheaper and lighter than many materials, are being favored for industrial and commercial applications. Plastics are necessary in daily life experience, using them in household appliances, cars, packages ex. One of three of plastic raw materials being used by package sector. The main environmental problem of conventional plastics are, degrading in nature for centuries and produced by nonrenewal natural sources like petroleum, coal and natural gas. Today, being recycling and environmentally friendly facilities come into prominence for plastics.
- ▶
- ▶ Biodegradable polymers based on renewable feedstock have started to replace conventional polymers produced from fossil fuel. Plastics, that are cheaper and lighter than many materials, are being favored for industrial and commercial applications. Plastics are necessary in daily life experience. We are using them in household appliances, cars, packages etc.

Detailed Project Report On Freeze Dried Vegetables

- ▶ Most foods contain very high percentage of water. Microorganisms thrive when there is water, spoiling the food and altering its taste. Removing water keeps food from spoiling for long periods of time. Also removing water makes the food lighter, making it easy to package and transport. Yet, removing water, must not alter the composition of the food. Its basic structure and composition of its nutrients must remain intact.
- ▶ Freeze-drying, technically known as Lyophilization, is a process of sublimation where water molecules in a solid phase are directly converted to vapor phase. Since Lyophilization is the most complex and expensive form of dehydration, its use is usually restricted to delicate and heat-sensitive high value materials

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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

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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