

Industrial Investment Opportunities and Project Profiles



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Stearic Acid

- Stearic acid is a saturated fatty acid with an 18-carbon chain and has the IUPAC name octadecanoic acid. It is a waxy solid, and its chemical formula is $\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2\text{H}$. Its name comes from the Greek word $\sigma\tau\acute{\epsilon}\alpha\rho$ "stéar", which means tallow. The salts and esters of stearic acid are called stearates. Stearic acid is one of the most common saturated fatty acids found in nature following palmitic acid.
- Stearic acid is prepared by treating these fats and oils with water at a high pressure and temperature (above 200°C), leading to the hydrolysis of triglycerides. The resulting mixture is then distilled. Commercial stearic acid is often a mixture of stearic and palmitic acids, although purified stearic acid is available. In terms of its biosynthesis, stearic acid is produced from carbohydrates via the fatty acid synthesis machinery via acetyl-CoA.

Rice Powder, Puttu and Wheat Powder

- Wheat flour is a powder made from the grinding of wheat used for human consumption. More wheat flour is produced than any other flour. Wheat varieties are called "soft" or "weak" if gluten content is low, and are called "hard" or "strong" if they have high gluten content. Hard flour, or bread flour, is high in gluten, with 12% to 14% gluten content, and has elastic toughness that holds its shape well once baked.
- India is ranked as the world's largest producer of a number of agri-products including milk and dairy products and pulses .and the second largest producer of rice, wheat, sugar and cotton. India produces more than 200 million tonnes of different food grains every year. All major grains – rice, wheat, maize, barley and millets like jowar (great millet), bajra (pearl millet) & ragi (finger millet) are produced in the country. About 15 per cent of the annual production of wheat is converted into wheat products.

Sanitary Napkins

- The Sanitary napkin industry is closely connected with the mode of life, which is in turn directly correlated to housing. Accordingly this industry has always grown by keeping pace with improvement in living and it is now indispensable for sanitary in modern housing. In India, the technology for sanitary napkins available by processing of raw cotton spinning and weaving of napkins.
- The Industry in India is of recent origin. The first unit is to manufacture viscous napkin filament yarn. Sanitary napkins have an important place in women's history and in the history of technology. 19th Century research into disposable sanitary napkins marked the humble beginnings of a new era of gynecological sanitary. Hindustan Lever (now Hindustan Unilever), Johnson & Johnson and Procter & Gamble have been the lead players in sanitary napkins market. The Unilever-Kimberly Clark joint venture had earlier entered the Indian market with its brand, Kotex, in competition with the market leader, Whisper of Procter & Gamble.

Disposable Needles

- Disposable needles are widely used by doctors for injection purpose with the help of syringes. With the increase in population in our country, requirement of medicine and injections has increased. For more strength of people more number of needles is required with syringes. For quick relief, needles are used by surgeons, dental surgeons, Veterinary Surgeons, and by the breeders in the poultry farm, where the farm birds are periodically injected against epidemics.
- Hindustan Syringes and Beckton & Dickinson had launched Auto Disposable (AD) syringes. The new age AD syringe makes re-use impossible by locking the plunger after the medicine is injected. It cannot draw on the medicine a second time. In the field of cannulae and blood bags, Poly Medicure has emerged as a significant player. In the Indian single uses syringes market, which is nearly 1.5 bn units strong, Hindustan Syringes and Medical Devices (HMD) enjoys a 65% market share. Imports constitute 10% of this market.

Textile Bleaching, Dyeing & Finishing

- A textile is a flexible woven material consisting of a network of natural or artificial fibres often referred to as thread or yarn. Yarn is produced by spinning raw fibres of wool, flax, cotton, or other material to produce long strands. Textiles are formed by weaving, knitting, crocheting, knotting, or pressing fibres together (felt).
- Textile bleaching is one of the stages in the manufacture of textiles. All raw textile materials, when they are in natural form, are known as 'greige' material. This greige material will have its natural color, odor and impurities that are not suitable for clothing materials. The removal of these natural coloring matters and additions during the previous state of manufacturing is called scouring and bleaching. Dyeing is the process of adding color to textile products like textile and fabrics. Dyeing is normally done in a special solution containing dyes and particular chemical material. After dyeing, dye molecules have uncut chemical bond with fiber molecules.

Potato Flakes

- Potato is one of the important tuber vegetables, which is consumed throughout the year. Its botanical name is *Solanum Tuberosum*. Potatoes can be consumed in varied forms. In fact, it is a vegetable that can easily be combined with any other food item including other vegetables, cereals, pulses, meat and poultry. The raw materials required are fresh potatoes. Potato flakes are the most important form of dehydrated potato products, which also include potato granules, pellets, powder, shredded and sliced potato.
- The potato dehydration and flakes manufacturing unit has exclusively been reserved on small scale by Govt. of India as per Industrial Policy introduced in 1983. No any big competitor may enter in this field. The potato flakes and powder is meant only for export. Although domestic market for dehydrated and powdered potato is there but more than 70% of the total indigenous production of potato flakes /powder is exported to various countries.

Rice Cultivation

- Rice is the leading food crop in the developing world in terms of total world production. It represents the staple food for almost two-thirds of the world's population. Rice provides 21% of global human per capita energy and 15% of per capita protein. However, the world's stocks of stored rice grain have been falling in negative correlation to each year's consumption levels which now exceeds actual annual production.
- The duration of growth for cultivated rice varies from 80 to 280 days and can be generally divided into early (80–130 days), intermediate (130–160 days) and late (160+days) maturing cultivars. In the rice plant, three growth phases can be distinguished: the vegetative phase – when the plant begins to partition assimilation to the developing panicle; the reproductive phases with panicle (flowering) development; and the ripening or grain-filling phase which begins after anthesis and ends at maturation.

Cattle & Poultry Feed

- In India the animal feed industry is of recent origin, the first animal food plant having been established in 1960. There are today as many as 14 plants in the organized sector, besides many small feed compounders, which operate in large cities. The 14 organized units have modern or semi modern equipment for manufacturing compound feeds. All of them have excellent facilities for quality control and are well equipped for chemical analysis of raw materials and the finished products.
- India has the largest cattle, buffalo and goat population according to latest census. There are about 200 million cattle, 50 million buffaloes and 90 million goats in the country. About one sixth of the cattle, about half of buffalo and one fifth of goat population in world are in India. Animal husbandry plays an important role in the national life and accounts for about 10% of the national income.

PSC Electric Poles

- PSC stands for pre-stressed concrete. These are highly durable and strong PSC Poles fabricated from excellent quality concrete material. These poles are used extensively in electrical industry, for establishing electrical connections and fittings. PSC poles are available in different dimensions and weight depending on the requirement. The poles are eco friendly and require very low maintenance.
- The power sector is one of the crucial inputs to the growth of other industrial sectors and overall economic growth of India. India has fourth largest installed generating capacity in world but the per capita consumption of electricity is very low, owing to a huge gap between demand and supply of power.

Fitness Equipments (Elliptical Cross Trainers, Treadmill and Exercise Bikes)

- Fitness/Exercise equipment is any apparatus or device used during physical activity to enhance the strength or conditioning effects of that exercise by providing either fixed or adjustable amounts of resistance or to otherwise enhance the experience or outcome of an exercise routine. Physical fitness is a general state of health and well-being or specifically the ability to perform aspects of sports or occupations.
- The fitness industry in India - valued at anything between a whopping Rs 2,000 crore and a more modest Rs 300 crore — however is not celebrating just yet. In fact, it's still a fragmented industry with diverse players such as health clubs, gyms and trainers. The health club approach and a feel good factor — for a highly stressed out segment — is the growing focus of the fitness industry in India."

Sodium Silicate from Rice Husk/Hull

- Rice husk a major by-product of the rice milling industry, is one of the most commonly available lignocellulosic materials that can be converted to different types of fuels and chemical feedstocks through a variety of thermo chemical conversion processes. During milling of paddy about 78 % of weight is received as rice, broken rice and bran. Rest 22 % of the weight of paddy is received as husk. This husk is used as fuel in the rice mills to generate steam for the parboiling process.
- The Midwest U.S. market for sodium silicate is highly concentrated, with only four competitors. The competitors are PQ Corporation, Occidental Chemical Corporation, INEOS Group Limited, and W.R. Grace & Company. PQ Corporation is a leading global producer of silicate, zeolite, and other performance materials serving the detergent, pulp and paper, chemical, petroleum, catalyst, water treatment, construction, and beverage markets.

Poultry Feed

Poultry feed is needed to produce poultry, a substantial part of the food industry. Feeds are used as edible materials, which are consumed poultry and contribute energy and/or nutrients to the poultry diet. Feed is needed to produce poultry, which are substantial parts of the food industry. Poultry includes the following: Chickens, Turkeys, Ducks, Guineas, Pigeons, Pheasant, Ostrich, Peafowl and Swan etc. The size of the food industry depends on population, which is not constant.

Efficient chick starter and growing mash aid proper development of chicks and pullets. Proteins, largely of vegetable origin, in the growing mesh, encourage the normal development of pullets and help them to lay lower. These are fed to which when they are 24 hours old.

HDPE/PP Woven Sacks

- 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. They are non toxic. Lighter in weight & have more advantages than conventional bags. PP/HDPE woven sacks laminated with LDPE/PP liner have wider applications.
- Woven sacks enjoy a good market in India and will continue to do so in the coming years. Plastic woven sacks are rapidly replacing jute bags because they have often various advantages over the conventional jute fabrics as packaging materials. They have excellent chemical resistance; they are light in weight and more suitable for packing of various chemicals in the form of granules and powder. They are also: Stronger and can withstand much higher impact loads.

Organic Fertilizer

Potentially recyclable nutrients are largely in the form of the organic materials—night soil, animal manure, sewage sludge, composts, slaughter house wastes, and crop residues. There are some who believe that only naturally derived organic material should be used as fertilizer. Organic fertilizers do, indeed, have valuable properties as soil amendments. In particular, their humus content enhances the efficiency of mineral fertilizer, improves soil structure, increases water retention by soil, and decreases soil erosion.

Vegetation like all living things requires certain foods for its survival and growth. For this purpose fertilizers or manure are the materials to be added to the soil and sometimes to foliage to supply nutrients to sustain plants and promote their abundant and fruitful growth. The elements that constitute these plants' foods are divided into three classes.

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- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
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What do we offer?

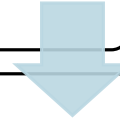
- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
- Technology Books and Directory
- Databases on CD-ROM
- Laboratory Testing Services
- Turnkey Project Consultancy/Solutions
- Entrepreneur India (An Industrial Monthly Journal)

How are we different ?

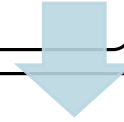
- We have two decades long experience in project consultancy and market research field
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Our Approach

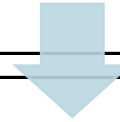
Requirement collection



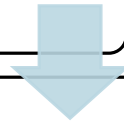
Thorough analysis of the project



Economic feasibility study of the Project



Market potential survey/research



Report Compilation

Who do we serve?

- Public-sector Companies
- 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

Contact us

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