

# **Business Ideas and Project Opportunities**



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- Maize And Its By Products (maize Starch, Modified Starches & Animal Feed)
- Rubber Powder From Waste Tyres
- Ayurvedic Medicines (Chyawanprash, Cough Syrup Herbal, Ayurvedic Hair Oil, Jawahar Mohra & Mukta Shukti Tablets)
- Activated Carbon From Wood
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# Flexible Polyurethane Foam

- During the past 40–50 years, foamed polymers have found increasing importance in the world market place due to the unique characteristics and properties they provide when compared to solid plastics. While most thermo sets and thermoplastics can be made in a foamed or cellular structure under certain conditions, the materials known as polyurethanes have become predominant for many applications in this field. Through the proper selection of the starting materials, foamed polyurethanes can range in characteristics from extremely soft, resilient cushioning products to very tough and rigid structural members. As varied as the products are, so too are the machines and processes used to produce them. Certain other systems, such as polyureas, are also processed with the same equipment as polyurethanes.
- The global polyurethane foam types are significantly penetrating their end-user industry market. These have different characteristics as per the manufacturing and their application requirement in the end products. The Asia-Pacific market is expected to dominate with its growing demand for polyurethane foams in different applications especially bedding & furniture, and building & construction. The polyurethane foam demand in terms of value and volume depicts the current and future projections according to the parallel economic and industrial outlook.

# Maize and its By Products

## (Maize Starch, Modified Starches & Animal Feed)

- Corn starch, corn flour or maize starch is the starch derived from the corn (maize) grain. The starch is obtained from the endosperm of the corn kernel. Corn starch is a popular food ingredient used in thickening sauces or soups, and is used in making corn syrup and other sugars.
- Starch or amyllum is a carbohydrate consisting of a large number of glucose units joined by glycosidic bonds. This polysaccharide is produced by most green plants as an energy store.
- Starch derivative is a growing industry, and with technological advancements taking place, new products are being launched on a regular basis. The various stakeholders in the industry are the raw material suppliers, processors, and the product manufacturers. Starch derivatives are applied in food & beverages, feed, and non-food applications like, pharmaceutical, cosmetics, paper making, bioethanol, and other industrial applications.

# Rubber Powder From Waste Tyres

Rubber is polymer of butadiene and one of the most important chemical ingredients, which is widely used in the different field of modern advance world. Rubber is specially used in the tyre Industry, which is used in the different type of vehicles. Rubber products require rubber as a raw material. Either natural rubber, which is often cultivated on large plantations – with all the problems associated with a monoculture or alternatively synthetic rubber, which is produced using crude oil. Both processes use a high amount of resources.

There is a rapid market increase of rubber powder in India. Demand of rubber powder in India is increased by 5%-8%. There is fair scope of this product. Presently reclaim rubber is used in the manufacture of tyres, butyl tubes, cycle tyres and tubes, battery containers, tread rubber, belts and hoses, moulded and extruded products. India ranks third in production and fourth in consumption of natural rubber in the world. Rubber plantations are spread over 5.9 lakhs hectares in 16 states.

## **Ayurvedic Medicines (Chyawanprash, Cough Syrup Herbal, Ayurvedic Hair Oil, Jawahar Mohra & Mukta Shukti Tablets)**

- Man has always been keen to keep himself free from all miseries. It has been a constant endeavor to discover better ways to prevent and cure human disease. Human history is full of examples of foods developed for one or the other health benefit. Greeks used garlic in the first Olympic Games as they considered it as a performance-enhancing drug. Egyptians used honey to heal wounds.
- Today, ayurveda is an officially recognised system of medicine in India. Globally, the World Health Organization (WHO) recognises it as Traditional Medicine (TRM). It is estimated that the total market size of the Indian ayurvedic market size is Rs 8000 crore and it is growing substantially between 10-15 percent, with the same growth rate targeted for the next 10 years. Thus, due to demand it is a good project for entrepreneurs to invest.

# Activated Carbon from Wood

- Activated carbon, also called activated charcoal, activated coal, or carbo activatus, is a form of carbon processed to be riddled with small, low-volume pores that increase the surface area available for adsorption or chemical reactions. Activated is sometimes substituted with active. Activated Carbon is a unique material because of the way it is filled with "holes" (voids, spaces, sites, pores,) whatever the size of molecules.
- A wide variety of activated carbon products are available exhibiting markedly different characteristics depending upon the raw material and activation of technique used in their production. Activated carbon has been used to purify different products since Roman times. Carbon treatment is primarily based on a naturally occurring phenomenon called adsorption, in which molecules of a liquid or gas are trapped by either an external or internal surface of a solid. The phenomenon is somewhat similar to iron filings being held by a magnet.
- The global activated carbon industry is estimated to be around 1.1 million metric ton. Demand for virgin activated carbon is expected to rise by around 10% annually through 2014, worldwide. The U.S is the largest market, which will also pace global growth based on anticipated new federal regulations mandating mercury removal at coal-fired power plants.

# Petroleum Distillation Plant (*Oil Distillation/Refinery Plant*)

- Petroleum, oily, flammable liquid that occurs naturally in deposits, usually beneath the surface of the earth; it is also called crude oil. It consists principally of a mixture of hydrocarbons, with traces of various nitrogenous and sulfurous compounds.
- Crude oil is one of the most valuable commodities in the world, but only after it has been refined into petroleum products. Crude oil refining is a key transformation step in the Midstream Sector of the oil and gas value chain because it adds commercial value to the oil by transforming it into many different marketable products.
- While just about every country in the world depends on oil, not all countries produce it. The top five oil producing countries are: Saudi Arabia, Russia, United States, Iran, and China. It is important to note that the term production here refers to crude oil extracted from oil reserves.



# Light Liquid Paraffin Oil

- Light Liquid Paraffin Oil IP is highly purified mixture of liquid saturated hydrocarbons obtained from petroleum and is highly paraffinic in nature. Light Liquid Paraffin oil is transparent, & free from fluorescence in day light. It is colourless, tasteless, and odourless when cold. Light liquid paraffin oil IP highly refined hydro-treated oil has excellent thermal & chemical stability, having high flash point & is soluble in Chloroform & solvent Ether.
- Growing demand for cosmetics and personal care products is expected to drive the mineral oil market. Owing to the increasing disposable income and changing lifestyle of majority of global population specially the youth population is anticipated to drive the cosmetics industry. So any new entrants can venture in to this industry.

# Onion Powder

- The onion, also known as the bulb onion or common onion, is used as a vegetable and is the most widely cultivated species of the genus *Allium*. Onions are cultivated and used around the world. As a foodstuff they are usually served cooked, as a vegetable or part of a prepared savoury dish, but can also be eaten raw or used to make pickles or chutneys. They are pungent when chopped and contain certain chemical substances which irritate the eyes.
- Onion is one of major bulb crop grown in India which presently attracting attention of all persons due to rise in prices. The price is directly related to supply-Demand of the commodity. An Indian farmer normally pays more attention to grow those crops which are fetched very good market prices during last season. To get the very good prices during present season, many farmers switch to grow Onion crop due to which supply in the market increases many fold and market glut fetches very low prices to farmers commodity such as onions.

# Fiber Optical Cables

An optical fiber (or optical fibre) is a flexible, transparent fiber made of extruded glass (silica) or plastic, slightly thicker than a human hair. It can function as a waveguide, or “light pipe”, to transmit light between the two ends of the fiber. Power over Fiber (PoF) optic cables can also work to deliver an electric current for low-power electric devices. The field of applied science and engineering concerned with the design and application of optical fibers is known as fiber optics.

Optical fibers are widely used in fiber-optic communications, where they permit transmission over longer distances and at higher bandwidths (data rates) than wire cables. Fibers are used instead of metal wires because signals travel along them with less loss and are also immune to electromagnetic interference. Fibers are also used for illumination, and are wrapped in bundles so that they may be used to carry images, thus allowing viewing in confined spaces. Specially designed fibers are used for a variety of other applications, including sensors and fiber lasers.

# Pencil Sharpeners (Plastic)

- Generally, pencil sharpeners can be classified into electric pencil sharpeners and manual pencil sharpeners. Since the electric pencil sharpeners are not frequently used for sharpening pencils, they usually keep in a standby condition, which will consume powers of the batteries and is not environment protective. Conversely, hand-cranked pencil sharpeners are in a large market demand since they do not require any power supply and are compact and portable.
- The pencil is inserted into the sharpener and rotated while the sharpener is held motionless. The body of the sharpener is often contoured, ridged or grooved to make the small block easier to firmly grip. In a Babcock Duplex Pencil Sharpener, the pencil is inserted into the chuck on the side of the machine.
- The Indian stationery industry is highly scattered and is largely dominated by the unorganised sector and the situation is quite alarming for the organised players industry. Factors like lack of modern production facilities, unorganised nature of functioning, marginal demands, government policies and international competition are largely contributing to the slow growth of the organised stationery industry in India. Established players are increasing their penetration by launching rural and urban-specific brands with different price tags so as to cater for both markets.

# Activated Alumina

Activated alumina is manufactured by dehydroxylating aluminium hydroxide in a way that produces a highly porous substance. The chemical composition can be represented by  $Al_2O_3 \cdot OH_2$ . The term "activated aluminas" refers to the "activation" those results from calcination. Activated alumina has a high surface area to weight ratio due to its extensive pore structure, is resistant to thermal shock and abrasion, and will not shrink, swell, soften nor disintegrate when placed in water.

India ranked seventh in alumina production with a total output of 3 mn tonnes, a share of nearly 5% of the global production of 61 mn tonnes. In India the activated alumina is being manufactured by the limited firms only whose production is quite insufficient to meet the growing demand. The consumption is increasing rapidly while the production is not sufficient. In order to fill up the gap between demand and supply, few more units for the manufacture of activated alumina are needed.

# High Pure Dissolved Acetylene Gas

Acetylene (C<sub>2</sub>H<sub>2</sub>) is known as one of the simplest and most significant chemical in the acetylene series. A compound of carbon and hydrogen, acetylene is a colorless, highly flammable gas that dissociates at normal to low pressures and needs to be stored in high-pressure tanks containing some porous material and acetone. It has active chemical property; it is easy to polymerize, synthesize and cause chemical reactions.

The Indian industrial gases market is dominated by oxygen. Oxygen accounts for nearly 75% of total production of gases outside carbon dioxide in the merchant market. If the captive segment is included, oxygen enjoys an over 70% share in all gases (outside carbon dioxide). The gas industry in India has a large number of small plants spread all over the country. Also there are tonnage plants of global standards and capacity, which are set up in different parts of the country. Many fertilizer plants have created the facility to tap Argon through purge gas recovery units and some are also purifying the flu gas to produce carbon dioxide.

# Aluminium Foil Containers

Aluminium is the most widely used non-ferrous metal and is extensively used in packaging materials. It is an excellent material for creating all types of containers. However, despite the fact that about seven billion aluminium foil containers are produced annually, most packaging engineers and packaging users know very little about the advantages that these containers bring to the packaging and food service industries.

Today's aluminium foil applications demonstrate the consumer friendliness. They vary from aseptic beverage cartons, wrappers, lids, blister and strip packs and more variations are in the pipeline. Also, aluminium foil is fully recyclable and modern separation techniques allow foil in household waste or separate collection systems to be extracted and recycled at a fraction of its original production energy. Very thin (laminated) foil based applications can also be incinerated with energy recovery. The aluminium foil industry in India was pioneered by India Foils, followed by Indian Aluminium Company.

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# 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

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- 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

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- 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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