HI-TECH PROJECTS

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Regd. Off : 4449, Nal Sarak, Main Road, Delhi - 110 006 (India) * Ph: +91 9811437895, 9289151047, 91-11-23918117, 43658117, 45120361 * E-Mail : eiri@eiriindia.org, eiritechnology@gmail.com

* Website: www.eirlindia.org, www.industrialprojects.in * PayTM: 9811437895

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MOST DEMANDABLE PROJECTS

PEAS PROCESSING (IQF TECHNOLOGY) [3395]

The pea is most commonly the small spherical seed or the seed-pod of the pod fruit Pisum sativum. Each pod contains several peas, which can be green or vellow. Pea pods are botanically fruit since they contain seeds and developed from the ovary of a (pea) flower. The name is also used to describe other edible seeds from the Fabaceae such as the pigeon pea (Cajanus cajan), the cowpea (Vigna unguiculata), and the seeds from several species of Lathyrus. A pea is a most commonly green, occasionally golden yellow, or infrequently purple pod shaped vegetable, widely grown as a cool season vegetable crop. The seeds may be planted as soon as the soil temperature reaches 10°C (50°F), with the plants growing best at temperatures of 13 to 18°C (55 to 64°F). They do not thrive in the summer heat of warmer temperate and lowland tropical climates, but do grow well in cooler, high altitude, tropical areas. Many cultivars reach maturity about 60 days after planting. Peas have both lowgrowing and vining cultivars. The vining cultivars grow thin tendrils from leaves that coil around any available support and can climb to be 1-2m high. A traditional approach to supporting climbing peas is to thrust branches pruned from trees or other woody plants upright into the soil providing a lattice for the peas to climb. Branches used in this fashion are sometimes called pea brush. Metal fences, twine, or netting supported by a frame are used for the same purpose. In dense plantings, peas give each other some measure of mutual support. Pea plants can self-pollinate.

COST ESTIMATION

 Plant Capacity
 48 Ton/Day

 Land & Building (1200 sq.mt)
 Rs. 85 Lacs

 Plant & Machinery
 Rs. 4 Cr

 Working Capital for 2 Months
 Rs. 1.06 Cr

 Total Capital Investment
 Rs. 6.8 Cr

 Rate of Return
 33%

 Break Even Point
 56%

LED BULB AND TUBE ASSEMBLY/MANUFACTURING PLANT [3396]

A light emitting diode (LED) is a device which converts electrical energy to light energy. LEDs are preferred light sources for short distance (local area) optical fiber network because they: are inexpensive, robust and have long life (the long life of an LED is primarily due to its being a cold device, i.e. its operating temperature being much lower than that of, say, an incandescent lamp),can be modulated (i.e. switched on and off) at high speeds (this property of an LED is also due to its being a cold device as it does not have to overcome thermal inertia),couple enough

output power over a small area to couple to fibers (though the output spectrum is wider than other sources such as laser diodes). A light-emitting diode (LED) is a two-lead semiconductor light source. It is a p-n junction diode, which emits light when activated.[4] When a suitable voltage is applied to the leads electrons. are able to recombine with electron holes within the device, releasing energy in the form of photons. This effect is called electroluminescence, and the color of the light (corresponding to the energy of the photon) is determined by the energy band gap of the semiconductor. Photo of miniature surface mount LEDs in most common sizes. They can be much smaller than a traditional 5 mm lamp type LED which is shown on the upper left corner. Very small (1.6x1.6x0.35 mm) red, green and blue surface mount miniature LED package with gold wire bonding details. These are mostly single-die LEDs used as indicators, and they come in various sizes from 2 mm to 8 mm, through-hole and surface mount packages. They usually do not use a separate heat sink.[116] Typical current ratings ranges from around 1 mA to above 20 mA. The small size sets a natural upper boundary on power consumption due to heat caused by the high current density and need for a heat sink. Package shapes include round, with a domed or flat top, rectangular with a flat top (as used in bar-graph displays), and triangular or square with a flat top. The encapsulation may also be cleor tinted to improve contrast and viewing angle. Researchers at the University of Washington have invented the thinnest LED. It is made of two dimensional (2-D) flexible materials. It is 3 atoms thick, which is 10 to 20 times thinner than three-dimensional (3-D) LEDs and is also 10,000 times smaller than the thickness of a human hair. These 2-D LEDs are going to make it possible to create smaller, more energy-efficient lighting, optical communication and nano lasers.

COST ESTIMATION

Plant Capacity	48000 Nos/Day
Land & Building (2 Acres)	Rs. 6.50 Cr
Plant & Machinery	Rs. 60 Lacs
Working Capital for 1 Mo	nth Rs. 6.73 Cr
Total Capital Investment	Rs. 13.90 Cr
Rate of Return	48%
Break Even Point	33%
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LEAD SMELTING PLANT [3397] Lead is a highly corrosion resistant, dense, ductile, and malleable blue-grey metal, which has been used for at least 5000 years. In some countries, however, environmental or health consequences have eliminated or reduced its use in cable sheating, petrol additives. Solder, shot and pigments. Lead has the highest rate of recycling of all the metals. Due to its

corrosion resistance, lead scrap is available for recycling, decades or even centuries after it is manufactured. New environmental regulations in several countries has greatly reduced the dissipative uses for lead, including paint, pigments, leaded gasoline, stabilizers solder, and ammunition. Currently, just about half of the total world lead production of 4.7 million tons comes from , the recycling of lead scrap. In recent years, the amount of recycled lead has been increasing and this rate of lead production is expected to increase in the future. Most of the lead produced comes from secondary sources. Lead scrap includes lead acetate batteries, cable coverings, pipes, sheets and lead coated, or terne bearing, metals. Solder, product waste and dross may also be recovered for its small lead content. Most secondary lead is used in batteries. To recover lead from a battery, the battery is broken and the components are classified. The lead containing components are processed in blast furnaces for hard lead or rotary reverberatory furnaces for fine particles. The blast furnace is similar in structure to a cupola furnace used in iron foundries The furnace is charged with slag, scrap iron, limestone, coke, oxides, dross, and reverberatory slag. The coke is used to melt and reduce the lead. Limestone reacts with impurities and floats to the top. This process also keeps the lead from oxidizing. The molten lead flows from the blast furnace into holding pots. Lead may be mixed with alloys, including antimony, tin, arsenic, copper and nickel. It is then cast into ingots.

COST ESTIMATION

Plant Capacity60 MT/DayLand & Building (5000sq.mt)Rs. 3.30 CrPlant & MachineryRs. 1.96 CrWorking Capital for 2 Month Rs. 54.84 crTotal Capital InvestmentRs. 60.19 CrRate of Return42%Break Even Point31%

LEAD INGOT [3398]

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COST ESTIMATION

Plant Capacity 60 MT/Day Land & Building (5000sq.mt) Rs. 3.30 Cr Rs 1.96 Cr Plant & Machinerv Working Capital for 2 Month Rs.54.84 Cr Rs. 60.19 Cr Total Capital Investment Rate of Return 42% Break Even Point 31%

PET RESIN FROM ETHYLENE **GLYCOL AND TEREPHTHALIC** ACID [3399]

PET is the acronym for a very versatile and sophisticated plastic called Polyethylene Terephthalate. For sound economic and safety reasons, it's the plastic used to make the most common container in the soft drink market today: the plastic bottle. Successfully used in the packaging for carbonated soft drinks. bottled water, milk, juice, sports and energy drinks, jars, punnets, tubs and trays for food items, bottles for household, personal care and pharmaceutical products, and sheet and film for packaging, PET is the type of plastic labeled with the # 1 on or near the bottom of bottles and containers. PET is sometimes referred to as polyester and is made from mono-ethylene glycol (MEG) and purified terephthalic acid (PTA), which is derived from crude oil and natural gas. These two crude oil derivatives are reacted under a controlled set of conditions to form a polymer. Then, in a honey-like form, this polymer is extruded through a die-plate, cast into spaghetti-like strands, and cut into

polymerised for a second time to increase their strength and to remove volatiles. The resultant FDA compliant pellets are packaged and sent to the plastics converters to make containers. Poly future. The gentle treatment of resources (ethylene terephthalate), or PET, is a thermoplastic polyester resin. Such resins may be classified as low-viscosity or high-viscosity resins. Low-viscosity PET typically has an intrinsic viscosity of less than 0.75, while high-viscosity PET typically has an intrinsic viscosity of 0.9 or higher. Low-viscosity resins, which are sometimes referred to as "staple" PET (when used in textile applications), are used in a wide variety of products, such as apparel fiber, bottles, and photographic film. Highviscosity resins, sometimes referred to as "industrial" or "heavy denier" PET, are used in tire cord, seat belts, and the like. PET is used extensively in the manufacture of synthetic fibers (i. e., polyester fibers), which compose the largest segment of the synthetic fiber industry. Since it is a pure and regulated material meeting FDA food contact requirements. PET is also widely used in food packaging, such as beverage bottles and frozen food travs that can be heated in a microwave or conventional oven. PET bottles are used for a variety of foods and beverages, including alcohol, salad dressing, mouthwash, syrups, peanut butter, and pickled food. Containers made of PET are being used for toiletries, household cosmetics and and pharmaceutical products (e. α. toothpaste pumps). Other applications of PET include molding resins, X-ray and other photographic films, magnetic tape, electrical insulation, printing sheets, and food packaging film etc. Polyethylene terephthalate (sometimes written poly(ethylene terephthalate)), commonly abbreviated PET, PETE, or the obsolete PETP or PET-P, is the most common thermoplastic polymer resin of the polyester family and is used in fibers for clothing, containers for liquids and foods, thermoforming for manufacturing, and in combination with glass fiber for engineering resins.

COST ESTIMATION Plant Capacity 33.33 MT/Day Land (16000 sq.mt)

Plant & Machinery	Rs. 23.00 Cr	
W.Capital for 3 Month	Rs. 23.28 Cr	
Total Capital Investment	Rs. 60.25 Cr	
Rate of Return	18%	
Break Even Point	60%	
*****	*****	
RECYCLING OF PET [3400]		
Nowadays, PET bottles	are the global	

number one in beverage packaging. More than 400 billion plastic bottles come on the market every year and PET is becoming increasingly valuable as a

pellets. These pellets are crystallised and recyclable raw material used in the production of beverage bottles. Thus, it is important that all of the production steps applied for the manufacture of your PET bottles are made sustainable for the and economical use of materials are a must when it comes to sustainable production. Valuable raw materials such as PET must be processed as efficiently as possible while still tapping into every way of saving costs. The PET manufacturing and production process allows for the application of a sustainable approach which can optimally combine environmental awareness and cost the effectiveness: bottle-to-bottle recycling concept. Bottle-to-bottle recycling plant efficiently recycles used PET bottles - and the recyclate is then reused in the food and beverage industry as recycled PET (rPET). The complete process comprises the cleaning of the used PET bottles and the treatment of the recyclate so that the end product which could come in the form of flakes pellets or preforms - can meet the highest quality requirements after the recycling process. European and American certificates (e.g. FDA), and a number of different corporate approvals, all confirm the high quality of the recyclate for direct use in containers which come into direct contact with foodstuffs.

COST ESTIMATION		
Plant Capacity	20 MT/Day	
Land & Building (3000 sq.mt)	Rs.1.84 Cr	
Plant & Machinery	Rs. 2.00 Cr	
Working Capital for 2 Month	Rs. 3.07 Cr	
Total Capital Investment	Rs. 7.05 Cr	
Rate of Return	40%	
Break Even Point	42%	
*********	*******	

NEEM OIL, CAKE & VERMICOMPOST (INTEGRATED UNIT) [3401]

Neem oil is a vegetable oil pressed from the fruits and seeds of the neem (Azadirachta indica), an evergreen tree which is endemic to the Indian subcontinent and has been introduced to many other areas in the tropics. It is the most important of the commercially available products of neem for organic farming and medicines. Neem oil varies Rs. 12.22 Cr in color; it can be golden yellow, yellowish brown, reddish brown, dark brown greenish brown, or bright red. It has a rather strong odor that is said to combine the odours of peanut and garlic. It is composed mainly of triglycerides and contains many triterpenoid compounds which are responsible for the bitter taste It is hydrophobic in nature; in order to emulsify it in water for application purposes, it is formulated with surfactants. Azadirachtin is the most well known and studied triterpenoid in neem

oil. The azadirachtin content of neem oil varies from 300ppm to over 2500ppm depending on the extraction technology and quality of the neem seeds crushed. Nimbin is another triterpenoid which has been credited with some of neem oil's properties as an antiseptic, antifungal, antipyretic and antihistamine.[1] Neem oil also contains several sterols, including (campesterol, beta-sitosterol, stigmasterol).

COST ESTIMATION

 Plant Capacity
 5 MT/Day

 Land & Building (2000 sq.mt)
 Rs. 96 Lacs

 Plant & Machinery
 Rs. 46 Lacs

 W. Capital for 1 Month
 Rs. 32.80 Lacs

 Total Capital Investment
 Rs. 1.82 Cr

 Rate of Return
 36%

 Break Even Point
 49%

CEILING FANS [3402]

A ceiling fan is a device suspended from the ceiling of a room, with hub-mounted rotating blades that circulate the air, thereby producing a cooling or destratification effect. Most ceiling fans have an electrical switch that allows one to reverse the direction of rotation of the blades. The electric motor is the electric machine within the ceiling fan that electrical converts energy into mechanical energy. The ceiling fan capacitor torques up the electric motor, allowing it to start and run. An electrical current reaches the motor and then enters coils of wire that are wrapped around a metal base. As this current passes through the wire, a magnetic field is caused that expends force in a clockwise motion that actually changes the electric energy into mechanical energy. This action causes the motor coils to spin. As the coils are spinning, the fan captures this spinning motion, transferring it to the fan blades. Fans do not actually cool air (if anything, electric fans warm it slightly due to the warming of their motors), but the breeze created by a ceiling fan speeds the evaporation of sweat on human skin, which makes the body feel cool. Thus, fans may become ineffective at cooling the body if the surrounding air is near body temperature and contains high humidity. Ceiling fans are very commonly used for circulation of air in a room to bring the cooling purpose easier. Due to circulation of air in a room, the cooling rate increases and we feel cool and less safiocation. When the air is circulated, air comes from other place and due to this the room becomes cool

COST ESTIMATION

 Plant Capacity
 1000 Nos./Day

 Land & Building
 Own

 Plant & Machinery
 Rs. 35.60 Lacs

 W. Capital for 2 Months
 Rs. 4.83 Cr

 Total Capital Investment
 Rs. 5.42 Cr

Rate of Return Break Even Point

PAN MASALA (RAJNIGANDHA TYPE) WITH FORMULATIONS [3403]

35%

Pan masala tobacco is the refined tobacco with catechu, chuna, flavouring agents and perfumery compounds etc. It refreshens the mouth and gives the feeling of cold in throat when taken in small amount. Pan Masala tobacco is chewed either with pan or directly without any other thing. Zarda of various grades, specified by different numbers, constitutes different proportions of zarda in tobacco. The higher the grade number of zarda panmasala, the higher it will contain zarda content. Zarda if taken in high dose is injurious to health and gives the feeling of laziness and unconsciousness. Kimam is the sweetened masala, usually taken by peoples who are not in regular routine of chewing tobacco. It is generally a mouth freshener and believed to increase appetite by improving digestion system. The custom of chewing breath fresheners after meals has a very long history. particularly in India. Pan Masala is a balanced mixture of areca nuts (also known as supari), catechu, cardamom, lime, flavouring agents and some natural perfuming materials. It is widely used to remove the bad odour of the mouth by providing a fresh breath and comes in attractive user-friendly packets and containers. Despite its growing demand in rural areas, pan masala is gaining prominence in urban areas of India. Factors like its immense popularity, constantly increasing disposable incomes, convenient packaging, aggressive advertising campaigns by manufacturers and the large-scale switching of consumers from tobacco products to pan masala are currently encouraging the growth of pan masala market. According to IMARC group, the Pan Masala market has reached values worth around INR 31,000 Crores in 2015 growing at a CAGR of 17% during 2008-2015.

COST ESTIMATION

Plant Capacity	1 Ton./Day
Land & Building (1500 sq.mt)) Rs. 2.11 Cr
Plant & Machinery	Rs. 50 Lacs
Working Capital for 1 Month	Rs. 1.05 Cr
Total Capital Investment	Rs. 3.75 Cr
Rate of Return	31%
Break Even Point	52%

ROTOGRAVURE PRINTED AND LAMINATED POUCHES AND ROLLS (8 COLOUR) [3404] Flexible packaging products include candy wrappers, bags for cookies, snack

foods, fresh and frozen products, diapers and personal hygiene products, envelopes for powdered soups and juices, flexible bags for ketchup and mayonnaise and for cleaning products such as laundry detergents, labels for beverage bottles, peel-off lids and labels for yogurt containers and wrappers for ice cream products. All of the Company's products are manufactured in accordance with international requirements and customized to meet individual customer specifications. Production of flexible packaging products begins in pre-press. The main pre-press process involves the digital design for packaging graphics, including color separation, text and layout. There are two forms of printing: rotogravure and flexography. The rotogravure printing process involves diamond-etching a cylinder for each product's color laver. It is appropriate for high-quantity orders. Flexographic printing process requires a polymer plate (one for each color) with the design to be printed, that is wrapped around a metallic cylinder. Traditionally. machinery and equipment requirements for rotogravure printing have been greater than for flexographic printing, and as a result, flexographic printing has been more commonly used. While flexographic printing quality has traditionally been inferior to the rotogravure method in terms of printing clarity and quality, these differences have been diminishing over time as the quality and equipment investments in the flexographic printing method have increased. Production of flexible packaging products continues by combining the different layers of material(s) required for each particular packaging order; the combination of materials depends on the product's requirements, such as impermeability, desired shelf life and cost considerations. Flexible packaging products are made from any combination of the following: plastics (such as polypropylene, polyethylene and/or polyester), aluminum foil, paper, wax and adhesives. The most common packaging types are single-layer and multi-layer, coextruded barrier films, doy pack containers and metallized films. Many of the packaging component materials are purchased in film rolls. Due to the high volume of polyethylene used in flexible packaging, this raw material is purchased in pellet form (resin) and extruded at the Company's facilities into rolls of the appropriate diameter, thickness, width and color for each particular order. After the printing process, additional laminates and any other necessary layers are attached using adhesives between layers. Finally, the rolls are cut, folded (if necessary)

and packaged. Flexible packaging is the second largest segment in US packaging, accounting for 18% of the industry. If makes sense; this type of product wrap is ubiquitous. Every time you open a bag of chips, squeeze a tube of toothpaste, or get your afternoon caffeine fix from a teabag, you can thank the nearly 79,000 American workers in flexible packaging manufacturing. The complexity of printing on a flexible substrate is daunting. The sheer variety of materials such as polybags, extruded polyethylene films, overwraps, and rollstock complicate the already challenging process. Schedulers must account for ink changeouts, equipment set-ups, and different cure times. Add to this the normal floor constraints of job deadlines, labor skillsets needed, and post-processing activities required, and it becomes apparent how much a facility in this industry can improve processes with a robust scheduling tool

COST ESTIMATION

Plant Capacity4 Ton/DayLand & Building (1000sq.mt)Rs. 1.18 CrPlant & MachineryRs. 1.25 CrWorking Capital for 1 MonthRs. 2.12 CrTotal Capital InvestmentRs. 4.63 CrRate of Return30%Break Even Point49%

TRANSPARENT SOAP BASE (MELT & POUR) AND NOODLE SOAP [3405]

Soap is a daily product which have a lot of purposes. More diversity of personal needs and customer preferences, soap products are now very varied, such as opaque soap, liquid soap and transparent soap. Opaque soap is kind of regular soap which is solid and not transparent, liquid soap is soap formed in liquid, while the transparent soap is kind of soap which usually use for face and for showers that can produce a softer foam to the skin and lustrous appearance when compared with other soap. Transparent soap is relatively more expensive compared to other soaps which also usually consumed by the upper middle class. Soaps which have good quality are affected by the raw material used. The main raw material for making soap is fat or oils obtained from plant and animal. Oil used in this research was coconut oil. Coconut oil is easily saponified. The most predominant fatty acid in coconut oil is lauric acid. Lauric acid is indispensable for making soap caused by saturated fatty acid contained on lauric acid which is capable of providing excellent foaming properties for soap products. Lauric acid as a raw material will produce soaps with high solubility and good foam characteristics. Soap is composed of fatty acids, oils and waxes, which the compound containing unsaturated bonds which are

easy to be oxidized and easy to generate bad aroma. To maintain the quality of the soap from the oxidation reaction need antioxidant agents to prevent it. Antioxidant is compounds that can inhibit or prevent oxidation on the substrate which is easily oxidized and has been widely used by the community. Based on the source of antioxidant grouped into two naturally derived antioxidant (natural antioxidant) and synthetic (synthetic antioxidant).

COST ESTIMATION

Plant Capacity	4 Ton./Day
Land & Building	Rented
Plant & Machinery	Rs. 26 Lacs
W. Capital for 1 Month	Rs. 62,89 Lacs
Total Capital Investment	Rs. 92.89 Lacs
Rate of Return	46%
Break Even Point	52%

LUBRICATING OIL (20W40 GRADE SN TYPE) MANUFACTURING WITH FORMULA [3406]

Economic, political, and regulatory forces are reshaping the dynamics of lubricants supply and demand throughout the world, and opportunities to grow this business continue to emerge. India. in particular. has emerged as a key growth market, as well as a source of competitively priced lubricants. Strong growth in the Indian automotive, power and engineering creating new market sectors is opportunities for lubricants manufacturers. In the automotive sector, consumers are migrating to better quality vehicles and increase in demand for four stroke motorbikes, tie ups with original equipment manufacturers using higher grade lubricants; this is benefiting multigrade lubricant products with strong brand recognition and wide distribution. Whilst there are no restrictions on foreign lubricant manufacturers from establishing 100%-owned operations in India, many have chosen to partner with National companies. (Merger & Acquisition). The automotive lubricant market is estimated to have grown volumes by over 3% on the back of a strong economic performance. Increased motorcycle and car stock, growth in agricultural driven lubes consumption and a booming construction sector have been the primary factors to this. The old generation truck market and the 2-stroke motorcycle lubes market, is projected to continue declining sharply in the shortterm. The trends highlighted above are expected to continue, Thus, lube consumption is projected to grow strongly in cars and 4-stroke bikes. With the rapid growth in vehicle and infrastructure sector, the shape of the customer groups would be undergoing significant change in the future. Fleets, construction companies and large workshop groups

would be forming an increasing percentage of the market. Another trend, which is rapidly catching up, is the emergence of organized retail chains. While the impact on lubricant sales at this juncture is minimal, these outlets could present opportunities for marketing in rural areas who are customers in the future. It is also expected that the rural growth of 4stroke motorcycles will continue to outstrip urban demand in the foreseeable future. Penetration in rural and semi urban areas is extremely low and could provide opportunities for marketers. New entrants will have to deal with uncertainty of demand, different and involving customer needs, a relatively poor supplier base, a market crowded with competition and niche market specially in rural areas Lubricants are used to reduce friction between moving parts, thus resulting in lower wear and tear. In many machines lubricants also play a role in cooling, rust prevention and help to avoid deposition of solids between closely fitting parts. Liquid lubricants are most commonly used A lubricant is a blend of base oils and performance enhancing additive as required by engine, gearbox and other applications areas.

COST ESTIMATION

Plant Capacity	1.00 KL/Day
Land & Building (800 sq.mt)	Rs. 95 Lacs
Plant & Machinery	Rs. 30 Lacs
W. Capital for 2 Month Rs	s. 57,37 Lacs
Total Capital Investment	Rs. 1.86 Cr
Rate of Return	29%
Break Even Point	53%
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FOOD PROCESSING UNIT [3407]

The Indian food industry is poised for huge growth, increasing its contributior to world food trade every year. In India the food sector has emerged as a highgrowth and high-profit sector due to its immense potential for value addition. particularly within the food processing industry. Accounting for about 32 per cent of the country's total food market, The Government of India has been instrumental in the growth and development of the food processing industry. The government through the Ministry of Food Processing Industries (MoFPI) is making all efforts to encourage investments in the business. It has approved proposals for joint ventures (JV), foreign collaborations, industrial licenses, and 100 per cent export oriented units

COST ESTIMATION

Plant Capacity	2 Ton/Day
Land & Building (10 Acres)	Rs. 3 Cr
Plant & Machinery	Rs. 1.02 Cr
Working Capital for 1 Month	Rs. 32 Lacs
Total Capital Investment	Rs. 4.45 Cr
Rate of Return	23%
Break Even Point	62%
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Top Industries to Start

HOLIDAY RESORTS (3 STAR CATEGORY) [3408]

Holiday resorts business is very flourishing business these days not in India only but it has brilliant prospects in foreign countries like America, Canada, Singapore, Nepal etc. Now-a-days, in India, this business is very fruitful as people want full comfort and entertainment during their vacations. Today there are quite a good number of over 300 approved Holiday resorts and hotels comprising nearly 19,000 guest rooms. But the increase in rooms and other supplementary forms 0 accommodation such as motels, youth hostels camp centuries huts in resorts and has not kept pace with the demands. The capacity of Holiday resorts accommodation of international standard is already paying has without tourism potential. The Government has already drawn, a 10 year perspective plan to attract 3.5 million tourists by the end of next decades as against 0.8 million ratio between tourists arrival and number capacity of Holiday resorts the accommodation of international standard is already paying have without tourism potential. Now the Government owned Indian Tourism Development Corporation (ITDC) is gradually moving in this direction. The India Tourism Development Corporation is making all the efforts to facilitate tourism to all corners of our country. In a holiday resort, there must be luxurious facilities added up to attract more and more tourists in which Table Tennis, Restaurant, Bar, Star Category Hotel, Swimming Pool, Banquet Hall, Shopping Arcade, Gym etc. are common.

COST ESTIMATION Land (10000 sq.mt) Rs. 11.27 Cr Plant & Machinery Rs. 1.50 Cr W. Capital for 2 Months Rs. 52.28 Lacs Total Capital Investment Rs. 13.75 Cr Rate of Return 23% Break Even Point 56% *****

TOMATO KETCHUP, TOMATO PUREE AND TOMATO JUICE [3409]

Tomatoes are amongst the most widely grown crop in India. The largest production centers are in southern and central India-Principally the states of Andhra Pradesh Telangana, Karnataka, Madhya Pradesh and Maharashtra. Tomatoes are produced and processed during the two main seasons across much of India-August to October (Kharif) and December to April (rabi). Where conditions suit, tomatoes are also grown during the off-season (May to July) including under protected cultivation though given the low volumes of production, prices are often the highest during this period. India is the world's second largest tomato producer but

processes less than 1% of its production. This impacts farmers by way of high postharvest losses and low returns during periods of market glut. Indian tomato based product manufacturers import significant quantities of tomato pulp and paste at high prices which also entails an import duty of 30%. Existing Indian paste and pulp makers are unable to operate their units at optimum capacities due to a lack of fresh tomato at the required volumes at the right price. Further, the types of tomatoes currently grown in India are generally less suitable for processing due to their low quality parameters for paste and pulp production. The overall result of these constraints is a loss of value to all stakeholders involved with tomato production and processing and its wider impact on local and regional economic development. On the other hand, the demand in India for processed tomato products has been growing at an annual rate of about 30% over the past 3 years. Further, the range of processed tomato foods is also expanding with the introduction and demand for severa ready to eat meals, curries and snack products finding favor with the Indian consumer. As a result, new tomato processing facilities are being established by both existing and new entrants into the Industry. Recognizing the tomato and paste supply chain constraints, several are taking steps to either establish local paste production themselves or partner with paste production intermediaries to enhance and sustain local supplies. The critical challenge for these processors is the availability of sufficient volumes of fresh tomatoes meeting processing quality standards on a consistent basis and at a price point which makes processing viable. The German Government's "Green Innovation Centre in the Agri-Food Sector" (GIAE) which focuses on improving the India tomato value chain with a focus on two states Maharashtra and Karnataka provides a platform to examine, test and scale up value chain improvements to particularly address supply chain constraints which could benefit both farmers and processors. Tomato is one of the most important food crops in India. It grows in almost every state of the country. Some of the major producing states are Bihar, Karnataka, Uttar Pradesh, Orissa, Andhra Pradesh Maharashtra Madhya Pradesh and West Bengal. Tomato is a rich source of vitamins A, C, potassium, minerals, and fibers. COST ESTIMATION

Land (2000 sq.mt) Plant & Machinerv Rs. 1.40 C

i iant a machinery	1.3. 1.40 01
W. Capital for 2 Months	Rs. 97.82 Lacs
Total Capital Investment	Rs. 5.44 Cr
Rate of Return	20%
Break Even Point	61%
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IV SOLUTION BOTTLE FILLING PLANT [3410]

Intra venous fluids, in general are used as I.V drips for patients in nursing homes and hospitals suffering from acute dehydration or considerable debilitating conditions. These I.V fluids replanish the body fluids. Though a number of I.V fluids are there, generally three types of I.V fluids are used in hospitals as I.V drips. They are as follows:- 1. Dextrose injection fluid, 2. Dextrose and sodium chloride injection fluid. Crystalloid: Balanced salt/electrolyte solution: for msa true solution and is capable of passing through semi permeable membranes. May be isotonic, hypertonic or hypotonic. Normal Saline (0.9% NaCl), Lactated Ringer's, Hypertonic saline (3, 5, & 7.5%), Ringer's solution. However, hypertonic solutions are considered plasma expanders as they act to increase the circulatory volume via movement of intracellular and interstitial water into the intravascular space. Colloid: High-molecular-weight solutions, draw fluid into intravascular compartment via on cotic pressure (pressure exerted by plasma proteins not capable of passing through membranes on capillary walls).Plasma expanders, as they are composed of macromolecules, and are retained in the intravascular space. Free H2O solutions: provide water that is not bound by macromolecules or organelles free to passthrough.D5W (5% dextrose in water), D10W, D20W, D50W, and Dextrose/crystalloid mixes. Blood products: whole blood, packed RBCs, FFP, Cryoprecipitate, platelets, albumin. Essentially all colloids.

COST ESTIMATION 60000 Bottles/Day Plant Capacity Land (6000 sq.mt) Rs. 3.69 Cr Plant & Machinery Rs. 12.00 Cr W. Capital for 2 Months Rs. 2.06 Cr Total Capital Investment Rs. 18.12 Cr Rate of Return 22% Break Even Point 61%

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AYURVEDIC SHARBAT [3411] Ayurvedic Sharbat is one of the important innovation in thee field of Ayurvedic Science. This Sharbat has several important medicinal properties which causes benefit to human body. It is considered generally as a summer drink to protect the body from dehydration. Besides the oral re-hydration properties it posses the herbal ayurvedic affects on human body free from several unwanted side diseases, which are created by synthetic drinks. Due to the herbal nature of its ingredients, it produces decreased heart rate and increased cardiac output by its cardiatonic activity. Thus thee probable volume output is increased even more. Besides Bradyeardia, increase cardiac output, the blood supply to ventricles is also increased, all those actions were more more marked with sugar free extract from medicinal plants. An antispasmedic effect could be defected which was more expressed with sugar free extract from flowers and smelling substance. This speaks in favour of using the total preparation. Ayurvedic Sharbat corrects thee electrolyte balance in dehydration and can be used in the maintenance of acid base balance in oral re-hydration therapy in diarrhea and in thirst.

COST ESTIMATION

1000 BTL/Day Plant Capacity Land & Building (400 sq.mt) Rs. 43 Lacs Rs 549 Lacs Plant & Machinery W. Capital for 2 Months Rs. 45.31 Lacs Total Capital Investment Rs. 97.21 Lacs Rate of Return 41% Break Even Point 54%

STEEL ROLLING MILL (M.S. ROD) [3412]

Steel reinforcement bar is also known as rebar, reinforcing bar, reinforcing steel and reinforcement steel. It is a versatile constructional material which is widely used in the construction industry for making of the reinforced concrete. Reinforcement concrete (RC) is a composite material made up of concrete and some form of reinforcement - most commonly steel rods, bars, wires or mesh of steel rods and steel wires. The steel reinforcement bars usually consists of such shape and size that they may easily be bent and placed in the concrete so as to form a monolithic structure. The properties of thermal expansion for both steel and concrete are approximately the same. This along with excellent bendability property makes steel the best material as reinforcement in concrete structures. Another reason steel works effectively as reinforcement is that it bonds well with concrete. When passive reinforcement (steel bars) is employed, the structure is known as reinforced

concrete structure. In pre-stressed concrete structure, the reinforcement (steel wire) is stressed prior to subjecting the structure to loading, which may be viewed as active reinforcement. Passive steel reinforcing bars, also known as rebars, should necessarily be strong in tension and, at the same time, be ductile enough to be shaped or bent. Steel rebar is most commonly used as a tensioning devise to reinforce concrete to help hold the concrete in a compressed state. Concrete is a material that is very strong in compression, but virtually without strength in tension. To compensate for this imbalance in a concrete slab behavior. reinforcement bar is cast into it to carry the tensile loads. The surface of the reinforcement bar may be patterned to form a better bond with the concrete. Reinforced concrete aets its strength from the two materials, steel and concrete, working together. To get them working together, it is critical that the steel be adequately bonded to the concrete. Achieving this bond is called developing the bar, and many aspects of reinforcement design are geared toward achieving development. Steel rebars are the time proven match for reinforcing concrete structures. RC structures are designed on the principle that steel and concrete act together to withstand induced forces. The aim of the reinforced concrete designer is to combine the reinforcement with the concrete in such a manner that sufficient of the relatively expensive reinforcement is incorporated to resist tensile and shear forces whilst utilizing the comparatively inexpensive concrete to resist the compressive forces. To achieve this aim, the designer needs to determine, not only the amount of reinforcement to be used, but how it is to be distributed and where it is to be positioned. These decisions of the designer are critical to the successful performance of reinforced concrete and it is imperative that, during construction, reinforcement be positioned exactly as specified by the designer. Originally concrete structures were made without reinforcement. The use of rebars has started in construction since at least the 18th century. Earlier cast iron was the materials for the rebars. This was because cast iron rebars were of high quality, and there was no corrosion on them for the life of the structure. Later the technique was refined by embedding the steel bars in the reinforced concrete structures. COST ESTIMATION Plant Capacity 100 MT/Day

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Land (12,000 sq.mt)

W. Capital for 2 Months

Total Capital Investment

Plant & Machinery

Rate of Return

Break Even Point

Rs. 75 Lacs

Rs 4 51 Cr

Rs. 6.72 Cr

26%

48%

PAN MASALA (RAJNIGANDHA **TYPE) WITH FORMULATIONS** [3413]

Pan masala tobacco is the refined tobacco with catechu, chuna, flavouring agents and perfumery compounds etc. It refreshens the mouth and gives the feeling of cold in throat when taken in small amount. Pan Masala tobacco is chewed either with pan or directly without any other thing. Zarda of various grades, specified by different numbers. constitutes different proportions of zarda in tobacco. The higher the grade number of zarda panmasala, the higher it will contain zarda content. Zarda if taken in high dose is injurious to health and gives feeling laziness the of and unconsciousness. Kimam is the sweetened masala, usually taken by peoples who are not in regular routine of chewing tobacco. It is generally a mouth freshener and believed to increase appetite by improving digestion system. The custom of chewing breath fresheners after meals has a very long history, particularly in India. Pan Masala is a balanced mixture of areca nuts (also known as supari), catechu, cardamom, lime, flavouring agents and some natural perfuming materials. It is widely used to remove the bad odour of the mouth by providing a fresh breath and comes in attractive user-friendly packets and containers. Despite its growing demand in rural areas, pan masala is gaining prominence in urban areas of India. Factors like its immense popularity constantly increasing disposable incomes, convenient packaging aggressive advertising campaigns by manufacturers and the large-scale switching of consumers from tobacco products to pan masala are currently encouraging the growth of pan masala market. According to IMARC group, the Pan Masala market has reached values worth around INR 31,000 Crores in 2015 growing at a CAGR of 17% during 2008-2015. Among the various types of pan masala available in the Indian market. pan masala containing tobacco represents the dominating type accounting for more than 50% of the entire market. Pan Masala containing tobacco is followed by plain pan masala and flavoured pan masala. The Indian exports of pan masala are dominated by UAE accounting for around one-third of the total export values. UAE followed by USA. Singapore is Afghanistan, South Africa, Saudi Arabia and Malaysia. The report has also analysed some of the key players operating in the market. Rajnigandha represents the largest manufacturer of pan masala followed by RMD, Pan Vilas and Pan Parag. COST ESTIMATION Plant Capacity 100000 Pouches/Day

Plant & Machinery W. Capital for 2 Months Total Capital Investment Rate of Return Break Even Point

CRUMB RUBBER MANUFACTURING UNIT [3414]

Crumb rubber is the name given to any material derived by reducing scrap tires or other rubber into uniform granules with the inherent reinforcing materials such as steel and fiber removed along with any other type of inert contaminants such as dust, glass, or rock. Crumb rubber is manufactured from two primary feedstocks: tire buffings, a byproduct of tire retreading and scrap tire rubber. Scrap tire rubber comes from three types of tires: passenger car tires, which represent about 84 percent of units or approximately 65 percent of the total weight of U.S. scrap tires; truck tires, which constitute 15 percent of units, or 20 percent of the total weight of U.S. scrap tires, and off-the-road tires, which account for 1 percent of units, or 15 percent of the total weight of U.S. scrap tires. End product yields for each of these tire types are affected by the tire's construction, strength and weight. On average, 10 to 12 pounds of crumb rubber can be derived from one passenger tire. COST ESTIMATION

COSTESTIMATION	
3000 Kg/Day	in pi
Rented	μ.
Rs. 31 Lacs	Ы
Rs. 13.31 Lacs	18
Rs. 50.31 Lacs	PI
49%	Ŵ
64%	To
************	R
BES PLANT	Br
	3000 Kg/Day Rented Rs. 31 Lacs Rs. 13.31 Lacs Rs. 50.31 Lacs 49%

[3415]

Electric resistance welded (ERW) pipe is manufactured by cold-forming a sheet of steel into a cylindrical shape. Current is then passed between the two edges of the steel to heat the steel to a point at which the edges are forced together to form a bond without the use of welding filler material. Initially this manufacturing process used low frequency A.C. current to heat the edges. This low frequency process was used from the 1920's until 1970. In 1970, the low frequency process was superseded by a high frequency ERW process which produced a higher quality weld. Over time, the welds of low frequency ERW pipe was found to be susceptible to selective seam corrosion, hook cracks, and inadequate bonding of the seams, so low frequency ERW is no longer used to manufacture pipe. The high frequency process is still being used to manufacture pipe for use in new pipeline construction. ERW steel pipes & tubes

Land & Building (6000 Sq.ft) Rs. 1.34 Cr find widespread usage across industries and fields. In addition to various engineering industries, they are used for water, oil and gas distribution, line pipes, fencing, scaffolding, etc. They are also used for agricultural purposes, drinking water supply, thermal power, for hand pumps for deep boring wells and also as protection for cables (telecom), among others. Depending on the requirement of the end user industry, ERW steel pipes & tubes are available in various wall thicknesses, diameters, and qualities. The different types include line precision pipes, tubular poles, electric poles, lightweight galvanized pipes for sprinkler irrigation, among others. The industry has sufficient capacity to manufacture the different types of pipes & tubes. High performance ERW steel pipes & tubes possess high strength, toughness and are corrosion resistant. In the manufacturing process of ERW steel pipes & tubes, the edges to be welded are mechanically pressed together and electric resistance or electric induction is used to generate the heat required for welding. With the adoption of better welding technology, ERW pipes & tubes are now widely used in the oil & gas sector. A number of ERW steel pipes & tubes production units are in the SSI sector. Higher demand from the oil & gas industry, infrastructure and automobile industries has led to a healthy ncrease in production of ERW steel ipes.

COST ESTIMATION

	0001 L011	
s	Plant Capacity	320 MT/Day
s	Land (36.960 sq.mt)	Rs. 30.04 Cr
s	Plant & Machinery	Rs. 70.84 Cr
%	W. Capital for 2 Months	Rs. 51.58 Cr
%	Total Capital Investment	Rs. 195.32 Cr
**	Rate of Return	36%
	Break Even Point	44%

FRUIT JUICE OF MANGO ORANGE, SWEET LIME, LIME, PINEAPPLE PLANT IN PET BOTTLES [3416]

There are two main types of fruit juice. On the one hand there is a so-called "direct or notfrom concentrate (NFC) juice" and on the other hand the one produced from the "juice concentrate". Both have 100% non-diluted fruit content. The term "direct or NFC juice" or "made from fruit concentrate" on the label explains how the juice was produced. The juice is either contained in cloudy or clear bottles after juicing or stored for later filling in sterile tanks. This is the usual on-farm method In order to get a fruit juice concentrate. the freshly squeezed juice will be dehydrated under vacuum conditions, until the juice is reduced to about onesixth of its volume. After reconstitution with clean drinking water there will be a

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fruit juice with 100 percent fruit content again. The use of concentrate must be noted on the product label. The processing of concentrate has no relevance in onfarm fruit juice production. For an industrial juice producer it has several advantages, which are crucial due to the low consumer prices of redilluted juice The manufacturers can achieve higher storage capacities, and they can spread the filling evenly over a longer period and thus compensate for years with poor fruit harvest through storage reserves. Packaged juice market has charted a high growth trajectory, thanks to its easy availability, anytime - anywhere consumption, and convenience. Within the beverages market, the fruit-based beverages category is one of the fastest growing categories, and has grown at a CAGR of over 30 percent over the past decade. As of March 2013, the Indian packaged juices market was valued at Rs 1,100 crore (~USD 200 million) and projected to grow at a CAGR of ~15 percent over the next three years. The packaged fruit juices market can be divided into three sub-categories: fruit drinks, juices, and nectar drinks. Fruit drinks, which have a maximum of 30 percent fruit content, are the highestselling category, with a 60 percent share of the market. Frooti, Jumpin, Maaza, etc. are the most popular products in this category. Fruit juices, on the other hand, are 100 percent composed of fruit content, and claim a 30 percent market share at present. In contrast, nectar drinks have between 25 and 90 percent fruit content, but account for only about 10 percent of the market. The rising number of health-conscious consumers is giving a boost to fruit juices; it has been observed that consumers are shifting from fruit-based drinks to fruit juices as they consider the latter a healthier breakfast/snack option. Dabur is the market leader in the Indian packaged juices market with its brands Real and Real Activ. Other players include Parle. Fresh Gold, and Godrej. Some of the other brands of fruit juices and drinks include Frooti, Appy, Mazza, Minute Maid, Slice, Fresh Gold, and Del Monte. Considering the attractiveness of the segment, diversified consumer food companies such as ITC are working towards making a foray into packaged iuices.

COST ESTIMATION

Plant Capacity	9600 Ltr/Day
Land (25000 sq.ft.)	Rs. 1.19 Cr
Plant & Machinery	Rs. 1.75 Cr
W. Capital for 2 Months	Rs. 3.56 Cr
Total Capital Investment	Rs. 6.80 Cr
Rate of Return	29%
Break Even Point	52%
****	*************

COAL WASHING UNIT [3417] Coal washing is a process that is undertaken in a coal washery or coal preparation plant (CPP) where coal is refined or cleaned of impurities. Coal washing involves using water, mechanical techniques and relies on gravity and the difference of density between coal and it's impurities which are usually more densely packed due to the fact that they are inorganic. Benefits of Using Washed Coal: • Increased generation efficiency, mainly due to the reduction in energy loss as inert material passes through the combustion process. . Increased plant availability. • Reduced investment costs. Reduced operation and maintenance (O&M) costs due to less wear and reduced costs for fuel and ash handling. . Energy conservation in the transportation sector and lower transportation costs. . Less impurities and improved coal quality. Reduced load on the air pollution control system; and Reduction in the amount of solid waste that has to be disposed off

COST ESTIN	NATION
Plant Capacity	12000 MT./Day
Land (160000 sq.mt)	Rs. 54.30 Cr
Plant & Machinery	Rs. 20.52 Cr
Working Capital for 2 M	Ionths Rs. 3.31 Cr
Total Capital Investment	t Rs. 80.45 Cr
Rate of Return	26%
Break Even Point	55%
************************	**************

POTATO POWDER MANUFACTURING [3418]

The potato is a starchy, tuberous crop from the perennial Solanum tuberosum of the Solanaceae family (also known as the nightshades). The word potato may refer to the plant itself as well as the edible tuber. In the region of the Andes, there are some other closely related cultivated potato species. Potatoes were first introduced outside the Andes region four centuries ago, and have become an integral part of much of the world's cuisine. It is the world's fourth-largest food crop. following rice, wheat, and maize, Long-term storage of potatoes requires specialized care in cold warehouses. Wild potato species occur throughout the Americas, from the United States to Uruguay. The potato was originally believed to have been domesticated independently in multiple locations, but later genetic testing of the wide variety of cultivars and wild species proved a single origin for potatoes in the area of present-day southern Peru (from a species in the Solanum brevicaule complex), where they were domesticated 7,000-10,000 years ago. Following centuries of selective breeding, there are now over a thousand different types of .56 Cr potatoes. Of these subspecies, a variety that at one point grew in the Chiloé 29% Archipelago (the potato's south-central 52% Chilean sub-center of origin) left its

germplasm on over 99% of the cultivated potatoes worldwide

COST ESTIMATIO	N
Plant Capacity	1000 Kg/Day
Land & Building (500 sq.mt)	Rs. 26 Lacs
Plant & Machinery	Rs. 45 Lacs
Working Capital for 1 Month	Rs. 15 Lacs
Total Capital Investment	Rs. 95 Lacs
Rate of Return	36%
Break Even Point	63%

MOUTH FRESHENER BUSINESS [3419]

Pan masala is a mouth freshener with catechu, chuna, flavouring agents and perfumery compounds etc. It refreshens the mouth and gives the feeling of cold in throat when taken in small amount. Pan Masala tobacco is chewed either with pan or directly without any other thing. Zarda of various grades, specified by different numbers, constitutes different proportions of zarda in tobacco. The higher the grade number of zarda panmasala, the higher it will contain zarda content. Zarda if taken in high dose is injurious to health and gives the feeling of laziness and unconsciousness. Kimam is the sweetened masala, usually taken by peoples who are not in regular routine of chewing tobacco. It is generally a mouth freshener and believed to increase appetite by improving digestion system. The custom of chewing breath fresheners after meals has a very long history particularly in India. Pan Masala is a balanced mixture of areca nuts (also known as supari), catechu, cardamom lime, flavouring agents and some natural perfuming materials. It is widely used to remove the bad odour of the mouth by providing a fresh breath and comes ir attractive user-friendly packets and containers. Despite its growing demand in rural areas, pan masala is gaining prominence in urban areas of India Factors like its immense popularity constantly increasing disposable incomes, convenient packaging aggressive advertising campaigns by manufacturers and the large-scale switching of consumers from tobacco products to pan masala are currently encouraging the growth of pan masala market.

According to IMARC group, the Pan Masala market has reached values worth around INR 31,000 Crores in 2015 growing at a CAGR of 17% during 2008-2015.

COST ESTIMATION

Land & Building (600 sq.mt) Rs. 79 Lacs Plant & Machinery Rs. 90 Lacs Working Capital for 1 Month Rs. 1.44 Cr Total Capital Investment Rs. 3.25 Ci Rate of Return 45% Break Even Point 47% *****

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◆RAW MATERIALS : Raw Material Specifications, Market Codes & Raw Material Prices, Sources of Procurement of Raw Materials [Imported/Indigenous]

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garments Buffalo meat/frozen meat with	door Food dehydration (fruits &	ketchup, jam, jelly, vinegar	Reports based on

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Grape wine	Activated Carbon viz	input capacity:1280 kgs per	Chilli powder
Insurance claim processing	Activated Carbon from Rice	day (without the option of	Chocolate
centre (eou)	Husk, Straw, Cashewnut	cnsl extraction)	Chocolate (milk)
Kitchen products made of	Shell,Coir Pitch,Wood	Rice sheller	Citric acid from grape pulp
stainless steel viz.(kitchen	Charcoal, Powdered	Sanding sealer, lacquer, pu	Coal briquettes from agro waste
rack folding and fix,tokri for	Activated Carbon, Activated	wood coating & varnish	Coconut & its products
keeping vegetables	Fuller Earth, Pelleted	manufacturing with formulae	Coconut fibre
patre, frooti for vegetables	Activated Carbon (EAC),		Coconut oil from copra
(wire, round pipe, square pipe)	Impregnated carbon,	Agro based industries	Coconut processing complex
shelf,towel stand,cylinder	Polymers coated, Granula		(coco oil, coco flour, coco
trolley, kitchen stand wire,	Activated bleaching earth	Activated carbon powder &	cream, coco water, decinated
pipe,sheet)	Activated bleaching earth	granules from coconut shell	coconut etc.)
Leather tanning & garments	(activated fuller earth)	Amla fruit products with	Coconut squash & jam
(eou)	Activated carbon & sodium	preservation tomato sauce,	Coconut water (coco jal) packed
Liquid detergents for wool	silicate from paddy/rice husk	pickles, jams & jellies	Coffee roasting of green coffee
Maize & its by products	Activated carbon from	Asafoetida (compound)	beans
Malachite green	cashewnut shell	Ayurvedic/herbal pharmacy	Cold storage (controlled
Mango juice	Activated carbon from	Baby cereal food and milk	atmosphere or ca) for potato,
Mango processing & canning	coconut shell	powder	capacity: 100,000 bags (50 kg
(mango pulp)	Activated carbon from rice	Bakers yeast	per bag), storing capacity: 5000
Mushroom cultivation &	husk Activated carbon from saw	Bakery gel (translucent semi	mt
processing	Activated carbon from saw dust, rice husk and coconut	solid paste)	Confectionery
N.c. thinners used in	shell	Bakery unit (pastries, bread,	Corn oil (maize oil)
automobiles		buns,cake, toffee etc.)	Cotton ginning & processing
Namkeens (kurkure type	Activated carbon from wood Activated carbon from wood	Baking powder Banana wafers	Cotton seed oil
snack food)	charcoal		Cow and buffalo farm to
Non woven carry/ shopping	Activated carbon granulated	Banana, apple & other fruit chips	produce raw milk with gobar gas
bags	Activated carbon industry	Banana, mango powder &	plant and bottling of urine
Packaged drinking water	(coconut shell)	other freeze dried products	Curry powder
(packed in 330 ml cup, 500 ml	Activated carbon plant	Barley malt	Custard powder
pet bottle, 1500 ml pet bottle	Activated carbon powder &	Barley malt for beer etc.	Dairy farming & milk processing
and 20 ltr. jar)	granules from coconut shell	Basmati rice export	Dairy products milk packaging in
Pan masala (meetha, sada,	Activated charcoal	Basmati rice trading	pouch (ghee, butter etc)
zarda)	Activated fuller earth	Beer plant	Dal mill
Pan masala, tobacco, zarda &	Carbon black (petroleum	Biscuit industry	Dehulled sesame seed
kimam	based)	Bottling plant country liquor	Dehydrated garlic & ginger-100% eou
Pharmaceutical unit (eou) with	Carbon black from fertilizer	from rectified spirit	Dehydrated onions & onion
formulations, injectables etc.	waste	Brandy	powder
Piggery/meat/chicken		Bread & biscuit plant	Dehydrated vegetables (100%
processing	Carbon black from tyres	Bread plant	eou)
Piston ring automobile Porcelain and ceramic tiles	Carbon less paper	Button mushroom	Dehydration of canning of fruits
Potato & onion flakes	Carbon paper	Canning of mango pulp &	& vegetables
Potato & onion powder	Carbon/metal film resistors	mango slices	Dehydration of fruits &
Potato chips	Cashew nut processing	Caramel (acid proof/spirit	vegetables by vacuum drying
Pressure cookers (hard	Cashew nut processing plant	proof)	method
anodized) and utensils	(cap: 3 ton/day)	Cardamom oil	Dehydration of jackfruit
(capacity 10,000 pressure	Cashew nut shell liquid and	Casein from deoiled soya	Dehydration of raw mango
cookers and 20,000 utensils	kernels	flour	Desiccated coconut powder
per month)	CULTIVATION OF RICE &	Cashew feni	from coconuts
Processing of fruits &	WHEAT COMMERCIAL &	Cashew nut decortication	Dextrose powder (anhydrous
vegetables	MECHANISED	Cashew nut shell liquid &	from starch)
Readymade garments (pants/	DEVELOPMENT	kernel processing	Dextrose powder from potatoes
trousers)	Extraction of precipitated	Cashewnut (dried & fried)	Dicalcium phosphate from rock
Readymade garments with	silica from rice husk ash	Castor oil & its derivatives	phosphate
computer aided designs (cad)-	Friction dust (liquid & powder)	oleoresin, turkey red oil,	Drip irrigation system
hi tech automatic and imported	from cnsl	dco, hco, sebacic acid, 12-	Edible vegetable oil
machinery	Katha from cashew husk	hydroxy stearic acid	Egg powder (dried) 100% eou
Rubber hoses for automobile	Powder coating chamber type	Castor oil derivative	Extraction of soyabean oil from
Spices/masala with packaging	Powder coating manufacturing	oleoresins	oil seeds & cattle feed
Tooth paste (gel type)	Powder coating paint	Cattle & poultry feed	(expander extrusion cooking
Wooden cane furniture with	Powder paint for powder	Cattle feed from tapioca	process)
export potential	coating	Chana Dall and Besan Plant	Feed mill for poultry
	Precipitated silica from rice	Chewing & bubble gum	Finest & Smart Project Report
Visit us at :	husk ash (cap:200 ton/day)	Chewing tobacco (khaine	On Cold Storage
	Raw cashew nut kernel	kuber type)	Fish processing unit
www.eiriindia.org	processing (steam boiler	Chewing, ginger & amloki	Floriculture (cut flower rose) with
	roasting) modern machinery	Chicken soups	green house
	output capacity: 320 kgs and	Chicken/mutton processing	•

Food colour Attaw mushrooms Acentic acid & naphthelene Auminium subplate (non mundaturing) unit processing oraditioning Acentic acid & naphthelene Auminium subplate (non form) and Takes Freezing of Mesh vegetables Neem cultivation & Meem outivation & Acentic acid from ethanol Amino acid Meem outivation & Meem outivation & Acentic acid from ethanol Amino acid Meem outivation & Meem outivation & Acentic acid from ethanol Amino acid Meem outivation & Meem outivation & Meem outivation & Meem outivation & Acentic acid from ethanol Amino acid Meem outivation & Meem outivation & Meack and outivation & Meachanoin divet and Meack				
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manufacturing unit processing Acetic acid from ehanol 4 mm) and fakes And packaging Freat root by it facthology Ammonia grap, carget, apple Freat root by it facthology Neem oil troom secssing Acetica caid from molasses Apple prime Intermation and packaging Ammonia grap, carget, apple Fruit price (mango, guava, pars, lenew, sauces, pass,	Food processing industry	Mushroom growing &	Acetanilide	ferrous) (17%-18% alumina
and packaging Neem cultivation & processing Acetic acid from molasses Amino acid Freezing of fresh vegetables Neem ointitons Acetic antyviride Amino acid Fruil juce (mango, guava, banaa, grape, orange, spiray, aquashes, churney, sauces, commercialisation & neem Acetic antyviride Amino acid Apuin, jam; jellies, aquashes, churney, sauces, churney, sau		processing with air	Acetic acid (glacial)	content) in granules (2 mm to
Freezing of tresh vegetables Frozen food by if technology Fuil juce (mango, guva, squashes, churkey, sauces, quue, cocont weler etc. Fuil juce concentrate Bruil juce concentrate Fruil juce concentrate Packaged dinking water in Packaged dinking water i	manufacturing unit processing	conditioning	Acetic acid from ethanol	4 mm) and flakes
Frozen food by iqt fectmology Fruit juce concentrate squeshes, chutney, saues, squeshes, chutney, saues, squeshes, chutney, saues, ruit juce concentrate Fruit juce concentrate Fruit juce concentrate Unice concentrate Concentrate Packaged drinking water in Packaged drinking water i	and packaging	Neem cultivation &	Acetic acid from molasses	Amines
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Fruit juice (mango, guva, guashes, churchey, sauce, guashes, churchey, sauce, guashes, churchey, sauce, guashes, churchey, sauce, guashes, churchey, sauce, guashes, churchey, sauce, fruit juice concentrate Fruit juice concentrate Fruit juice, jam, jellies & gurada bas, churchey, sauce, fruit jam, jellies a gurada fruit, sauce, fruit, jam, jellies a gurada fruit	Frozen food by iqf technology	Neem oil from seeds	Acetone	Amino acid by protein
banana, grape, orange, apple), squashes, chutney, sauces, katubup, coconut water etc. Acetylene black Acetylene gas and oxygen (integrated unit) Ammonia gas Acetylene gas and oxygen (integrated unit) Ammonia gas Ammonia gas Ammonia gas Acid black dye Fuil juice concentrate products Corian et were (Export Organic manure Packaged dinking water (rango pub, tomato paste (mango pub, tomato paste (rango pub, tomato paste photographic grades) Ammonia liquor Activated diumina balls/ Activated blackling earth Activated blackling earth Activated blackling earth Activated carbon from rice husk Ammonium chloride lock Ammonium subphate Pastel earth insectical Pastel earth insectical Products (rango reguns) Grean pass processing blant Grain paster pass processing and canning The chloride function Pastel earth insectical Products (rados) Ammonium subphate Antivated carbon from ros Products on fasse Products on fasse Products on fassed Products (rados) Ammonium subphate Antivated carbon from ros Products on fasse Products on fasse Products on fassed Products (rados) Ammonium subphate Antivated carbon from ros Products on fasse Products (rados) Ammonium subphate Antivated carbon from ros Products on fasse Products (rados) Ammonium subphate Antivated carbon from ros Products (rados) Ammonium subphate Antivated carbon from Prod	Fruit juice (mango, guava,		Acetyl chloride	hydrolysis
& pubp. jams. jellies squashes, chutney, sauces, ketchup, coconut water ter. Fruit juic concentrate Fruit juic concentrate and of the inhibitor deviated alumina activated alumina hattivated calcium carbonate hattivated carbon from iter hattivated carbon from iter hattivated carbon from wood hattivated carbon from moles hattivated carbon fro	banana, grape, orange, apple)		Acetylene black	Amino acid use for poultry
ketchup, coconut water etc. Fruit juic, jam. jellies kalled Fruit juice, jam. jellies kalled Fruit juice, jam. jellies kalled Fruit juice, jam. jellies kalled (mango pul), komato paste dthers) Onion Founder (Exon The Markaged dinking water (packed in 330 ml cup, 500 ml packaged drinking water (packed in f300 ml cup, 500 ml packaged drinking water and 20 thr. jan) Activated alumina Activated alumina spheres Ammonia gas Ammonia gas Am	& pulp, jams, jellies,		Acetylene gas and oxygen	feed
ketchup, coconut water etc. Onion Powder (Export Fruit juice, jam. jellies & alled Fruit juice, jam. jellies & alled Fruit juice, jam. jellies & alled Fruit juice, jam. jellies & alled (mango pui). Monato paste Activated alumina Ammonia gas Ammonia gas Ammoniu gas Ammoniu gas Ammoniu macetate Fruit puip & tomato paste (andago puip). Monato paste (arber fakes & powder Gerlan to 100%eou (edible, Papaya a tomato outivation Gerlan toombod-disiliery (clochol from grain) Gerlan toombod-disiliery (clochol from drain) Protein hased annods, peanuts and mixed annods, peanuts and mixed annods, peanuts and mixed and Packaging Unit Mait & Amit Artard Mait & Amit Kartad Mait & Amit Mixi & Gerlan Mait & Amit Mait & Gerlan toombod Mait & Amit Artard Mait & Amit Mixi & Gerlan Mait & Amit Mixi & Gerlan Mait & Amit Artard Mait & Amit Artard Mam	squashes, chutney, sauces,	Oleoresin from spices	(integrated unit)	Amino resin
Fruit juice concentrate productsOriented Unit)Acid surry Acid surry Acid surry Acid surry Acid surry Acid surry Acid surry Activated alumina balls/ anmoniu acetate Activated alumina balls/ anmonium acetate Activated alumina balls/ anmonium acetate Activated bleaching earth Activated carbon from rice husk Activated carbon from saw dust, rice husk and coconut shellAmmonium dustate Ammonium thio sulphate anmonium thio sulphate and 20 trisp/wafers Processing of sheep hair to products from coconut shell Activated carbon from saw dust, rice husk and coconut activated carbon from saw dust, rice husk and coconut activated carbon from saw dust, rice custate ammonium thio sulphate and/sulphate solutionAmmonium dustate ammonium dustate ammonium dustate and sulphate antivation of casein products hydrous sodium dithionite production (10 green houses frome saw protein based products from coconut advivated carbon prowers agranulate and ther nuts hydrous sodium dithionite production (sodium formate production (ketchup, coconut water etc.		Acid black dye	Ammonia gas
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Fuilt pub & tomato paste (mango pub, tomato paste) (mango pub, tomato paste) (carlor flakes & powder (clehydrated) Gelatin 100%eou (edile, photographic grades) (clehydrated) Gelatin 100%eou (edile, photographic grades) (clehydrated) Grain flakes & powder (clehydrated) (Gelatin 100%eou (edile, photographic grades) (clehydrated) (Clehydrated) <td>products</td> <td>Packaged drinking water</td> <td>Activated alumina</td> <td>Ammonium acetate</td>	products	Packaged drinking water	Activated alumina	Ammonium acetate
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Market Overview Cum Detailed Techno Economic Faeasibility Report on all Projects are available contact: ENGINEERS INDIA RESEARCH INSTITUTE 4449, Nai Sarak, Main Road, Delhi - 110 006 (India) * Ph. : +91 9811437895, 9289151047, 91-11-23918117, 43658117, 45120361 Email: eiri@eiriindia.org, eiriprojects@gmail.com Website: www.eiriindia.org, www.eiribooksandprojectreports.com

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Barium carbonate Barium carbonate Barium compounds Barium nitrate Barium peroxide Barium sulphate Barium-thio-sulphate banzene Barley malt Baryte powder Battery grade (99.5% Pure) Borax sulphuric acid plant Battery plates Beer industry and alcoholic beverages Beer plant Bees wax refining & bleaching Brandy Belt paste Beneficiation of chromite ore processing charge chrome Bentonite and bentonite processing Butanol Bentonite powder Benzalkonium chloride Benzene Benzidine Benzoic acid Benzoyl peroxide Benzyl acetate, benzyl benzoate, benzvl alcohol Benzyl alcohol from benzyl chloride using water Benzyl konium chloride (bkc) Benzylalkonium chloride (bkc) Beta ionone Beta ionone Beta naphthol Beta-naphthol Bi-chromate of sodium, potassium & ammonium Bi-functional black manufacturer reactive dye (dye from cotton yarn dyeing) Bio coal briquettes fromagricultural cellulose waste Bio fertilisers Bio gas filling in cylinder Bio gas plant Bio gas plant Bio oil for power generation from coffee husk Bio-fuel (jatropha cultivation and extraction) Biodiesel from algae Biopesticides (mineral oil based) for killing white flies Biotech laboratory equipments Bituminious road emulsion process Bituminous felts for water & damp proofing process Black japan (bituminous based corrosion resistant) Black phenyl

Black sulphur Bleaching liquor (calcium hypochlorite liquor) Bleaching powder Bleaching powder (stable) Boiler descaling compound Bone meal (calcined) enrichment with calcium & nhosnhorous Boric acid Boric acid Bottling plant (whisky, brandy, rum, vodka, gin) from rectified spirit/ena Bromine gas plant Buffing mops and compositions (metal polishing bar & liquid) Butyl acetate Cable jelly compound Calcination of bauxite to produce high grade alumina Calcined lime (dead burnt dolomite) Calcining of magnesite & dead burnt magnesite Calcium aluminate Calcium carbide Calcium carbonate Calcium carbonate Calcium carbonate (activated & precipitated) Calcium carbonate (precipitated) from by product (lime slurry & carbon dioxide) Calcium chloride Calcium chloride using lime stone and hydrochloric acid Calcium chloride using lime stone and hydrochloric acid Calcium fluoride Calcium fluoride Calcium gluconate Calcium magnesium sulphate mixing plant Calcium nitrate Calcium oxide (burnt line) Calcium silicate Calcium silicate Calcium silicate Calcium silicate board Calcium silicate bricks Calcium stearate Calcium stearate by fusion . Calcium stearate by fusion . Camphor powder (synthetic) Candle making Capric chloride

Carbon black (petroleum based) Carbon black from fertilizer waste Carbon black from natural gas Carbon dioxide Carbon dioxide bottling plant Carbon mono oxide Carbon tetra chloride from calcium carbide Carboxy methyl cellulose ore Carboxy methyl cellulose (cmc) Carboxy methyl starch Casein and by products Casein from milk Cationic softener (stearic acid based) Cationic softner (stearic acid based) Caustic soda Caustic soda (liquid) by electrolytic process Caustic soda (sodium hydroxide (naoh) Caustic soda (sodium hydroxide) Caustic soda from electrolysis Caustic soda from soda ash Caustic soda from sodium chloride Caustic soda from trona Caustic soda lye Caustic soda, chlorine and hydrogen gas by electrolysis brine solution Caustic soda/sodium hydroxide (naoh) Cellulose acetate moulding powder . Cellulose powder & micro crystalline celulose powder Cement colour Cement from fly ash & lime Cement paint and distemper Cement tiles (glazed) Cephalexin from 7-adca Chelated zinc (zn edta 12% Chemicals for colour photography Chemicals from prawn head Chemicals made of dolomite Chitin & chitosan from prawn shell waste Chloral hydrate Chloramphenicol Chlorinated paraffin wax (cpw) Chlorinated paraffin wax (cpw) Chromic acid Chromic acid (oxide) & blue oxide Chromic acid (with pollution control)

Citric acid Citric acid from lemon Citric acid from molasses Cleaning of cooling system and boiler Cnsl based resin in liquid and powder form . Coal tar distillation Coal washing unit Cobalt carbonate from cobalt Cobalt chloride Cobalt octoate Colchicine and thiocolchicine Cold supply chain Compost for mushroom Construction chemicals Copper oxchloride Copper oxychloride Copper phthalocyanine blue and green Copper sulphate Correction fluid Cupric chloride Cupric sulphate Cutting oil Cyanoacrylate adhesive Cyanuric chloride Defoaming agent for paper industry Denickeling (electrolytic process) . Deodorized kerosene Detergent (anionic) Detergent cake & powder Detergent concentrate (idet 10) Detergent powder Dextrin from starch Dextrose monohydrate & dextrose anhydrous powder from tapioca starch Dextrose monohydrate & dextrose anhydrous powder from tapioca starch Dextrose saline (i.v. fluid) in plastic bottles Di basic lead stearate Di calcium (feed grade) Di calcium phosphate (animal feed grade from hydrochloric acid route) Di calcium phosphate (animal feed grade) from hydrochloric acid route Di calcium phosphate from rock phosphate & haifa process Di ethyl oxalate Di ethyl phthalate (dep) Di methyl orthophthalate Di-calcium phosphate from rock phosphate haifa process Market Overview Cum Detailed Techno Economic Faeasibility Report on all Projects are available contact:

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District ather	Ethyl vanillin	autor at	oxidation process)
Di-ethyl ether Di-methyl phthalate	Eva (ethylene vinyl	extract	Hydroxy ethyl cellulose
Diammonium phosphate (dap)	acetate)compound	Friction dust (liquid & powder) from cnsl	Ice packs (solutions type,
Diammonium phosphate (dap)	Extra temperature lubricating	Fruit flavours	white gel type, violet semi
Dibasic lead stearate	grease	Fumaric acid	solid polymer type)
Dicalcium phosphate	Extraction of acid oil from	Furfural from rice hull/husk	Imfl (whisky) & country liquor
Dicalcium phosphate (animal	soap stock	Fused aluminium oxide	Improving drop point paraffin
feed grade from hydro chloric	Extraction of essential oils by	Fused silica	wax from 45-50 deg. c to 75-
acid route)	super critical fluid (carbon	Garlic acid	80 deg. c
Dicalcium phosphate from	dioxide) method from flowers,	Gasket shellac compound	Industrial alcohol
rock phosphate	herbs & spices	Gear oil	Industrial alcohol from
Dichlord isocyanurate	Extraction of vanadium	Gibberellic acid	molasses
Dichloro isocyanurate	pentoxide	Ginger and garlic paste	Industrial gases
Diclofenac gel	Fabric stain remover	Ginger processing	Ink plastisol (phthalate free)
Diclofenal sodium slow	Fatty acid	Glass putty	Insoluble saccharine (using
release (sr) tables 100mg	Ferric & non ferric alum	Gluconic acid	solid ingredients)
Diethyl phthalate	Ferric alum	Glycerine	Insta whitening system (ujala
Diethyl phthalate (Cap:5 tpd)	Ferric alum	Glycerol monostearate	type)
Dinitro-chloro benzene	Ferric and non ferric alum	Gobar gas	Integrated complex of ester
Dioctyl adipate	Ferric chloride from ferric	Gold electroplating	and allied products (d.o.p;
Dioctylphthalate (dop)	oxide and hydrochloric acid	Gold jewellery	d.b.p, ethyl acetate, wire
Diphenyl glycerine	(hcl)	Gold potassium cyanide	enamel & cable jelly) International standard
Distilled water	Ferric sulphate (powder)	(g.p.c.)	laboratory
Distillery	Ferro chrome	Gold potassium cyanide	Investment casting
Dodecyl benzene sulphonate	Ferro chrome ligno sulphonate Ferro manganese	(g.p.c.) by alkali method	Iron oxide for making ferrite
Dop and other plasticizer	Ferro silicon (from mineral	Gossypol (poly phenol) from	Iron sulphide
Double firing (heating) Dustless chalk	ingredients)	cotton seed oil Grape wine	Iso-borneol
Dye & dye intermediates	Ferro silicone	Greylead oxide	Isoborneol
Dye and dye intermediate	Ferro vanadium from	Guar gum powder	Isocyanates (tdi/mdi)
Dye intermediates	vanadium sludge	Gum (sodium silicate based)	Isopropyl alcohol from
Dye levelling agent	Ferrous silicate	Gum (sodium silicate based)	acetone feed stock
Edta & its salts	Ferrous sulphate	Gypsum plaster board	(cap:50,000 tpa)
Electroless nickel plating on	Ferrous sulphide	H acid	J. acid
plastics	Fertilizer from animal blood &	H- acid	Jatropha (biodiesel) cultivation
Electropolishing on gold	leather waste	Hair fixer (hair gel type)	and extraction
jewellery	Fibre reinforced plastic (high	Henna hair dye	Jewellery casting investment
Electropolishing on various	pressure moulding with smc,	Henna paste making	powder
metals	bmc & dmc)	Heptaldehyde	Jute batching oil
Emulsifier for cutting oil	Fire extinguisher dry powder	Heptaldehyde & undecylenic	Kaolin for road making (project
Endosulfan	Fire extinguisher dry powder	acid (c7 & c11) & its	report)
Engine coolant	(sodium	derivatives	Kesh kala tel (hair dye lotion)
Ephedrine hydrochloride	bicarbonate,potassium	Herbal beer	(vasmol 33, godrej, black nite
Epoxy resin based compound	bicarbonate and mono	High carbon ferro chrome	type)
Epoxy resins and metal filling	ammonium phosphate based	Hosiery cloth in the dyeing	L-lysine monohydrochloride Lacquer (electrophoretic) for
Ethanol from molasses	Flocculants Fluorescent tube light powder	process	jewllery acrylic based
(biofuel)	Foamed pvc compounding	Hot dip galvanizing	Lacquer electrophoretic for
Ethyl acetate Ethyl acetate	and its products	Humic acid Humic acid	gold jewellery polyurethane
Ethyl alcohol (potable liquor)	Formal dehyde	Hydrated calcium silicate	based
Ethyl alcohol from corn	Formaldehyde	brick	Lactic acid
Ethyl alcohol from crude	Formalin from methanol	Hydrated lime	Lactic acid from white sugar
alcohol (by fractional	Formulation for ddi, bhc,	Hydrated lime	by fermentation process
distillation or redistilled	melathion	Hydrated lime from sea shell	Ldpe granules from virgin
method	Fractional distillation of d.m.o.	Hydrazine	(Idpe resin)
Ethyl alcohol from molasses	(dementholized oil)	Hydro fluoric acid	Lead extraction from scrap
Ethyl ether	Fractional distillation of	Hydrochloric acid	battery
		,	I
Ethyl hexanol	essential oil & medicinal plant	Hydrogen peroxide (by auto	Lead oxide (a) lead monoxide

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BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture,	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST,
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing &	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Technology &
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing &	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 WINE PRODUCTION * Technology of Wine Production and Packaging 1750/- 175	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Technology & Fermented Cereal Products
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100 * Frozen Food Products 900/- 90	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 WINE PRODUCTION * Technology of Wine Production and Packaging 1750/- 175 CASTING TECHNOLOGY	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100 * Frozen Food Products 900/- 90 BEER, VODKA, BEVERAGE, WHISKY * Beer, Cereal Based Beverages, Soy Beverages, Fruit Wine, Vodka, Tea	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine Production and Packaging 1750/- 175 <u>CASTING TECHNOLOGY</u> * Casting Technology H.Book750/- 75	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125 * Confectionery,Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop & Jelly Products 1750/-175
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100 * Frozen Food Products 900/- 90 BEER, VODKA, BEVERAGE, WHISKY * Beer,Cereal Based Beverages, Soy Beverages & Beverages 1100/- 110	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine Production and Packaging 1750/- 175 <u>CASTING TECHNOLOGY</u> * Casting Technology H.Book750/- 75 <u>PULP & PAPER TECHNOLOGY</u>	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125 * Confectionery,Chocolates, Toffee, Candy, Chewing & Bubble Gums,
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100 * Frozen Food Products 900/- 90 BEER, VODKA, BEVERAGE, WHISKY * Beer,Cereal Based Beverages, Soy Beverages, Fruit Wine, Vodka, Tea Beverages & Beverages 1100/- 110 * Mfg Tech Hand Book Of Gin, Rum,	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 <u>WINE PRODUCTION</u> * Technology of Wine Production and Packaging 1750/- 175 <u>CASTING TECHNOLOGY</u> * Casting Technology H.Book750/- 75 <u>PULP & PAPER TECHNOLOGY</u>	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125 * Confectionery,Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop & Jelly Products 1750/-175 * H.Book of Bakery Industries 950/-95
BIODEGRADABLE PLASTICS AND POLYMERS * Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers & other) 975/- 100 * Production of Biodegradable Plastics & Bioplastics Tech 1500/-150 FROZEN FOOD/FREEZE DRYING * Frozen Food Processing & Freeze Drying Technology 1000/- 100 * Frozen Food Products 900/- 90 BEER, VODKA, BEVERAGE, WHISKY * Beer,Cereal Based Beverages, Soy Beverages, Fruit Wine, Vodka, Tea Beverages & Beverages 1100/- 110 * Mfg Tech Hand Book Of Gin, Rum, Whisky, Distillery Spirits,	Hydrolyzate, Allied Soyabean Products with project Profile 975/- 100 * Technology of SOYBEAN Products with Formulae 1100/- 100 PRODUCTS FROM WASTE * Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda 900/- 90 * Products from Waste Technology Hand Book 1100/- 110 WINE PRODUCTION * Technology of Wine Production and Packaging 1750/- 175 CASTING TECHNOLOGY * Casting Technology H.Book750/- 75 PULP & PAPER TECHNOLOGY * H.B.ofPulp & Paper, Paper Board & Paper Based Tech. 1150/- 120 FLOUR MILL (ATTA MAIDA, SUJI)	Drying, Printing and Bleaching) 900/- 90 * Garments Manufacturing Tech. 900/- 90 BAKERY, CONFECTIONERY, BISCUITS, COOKIES, BREAKFAST, PASTA & CEREALS * Technology of Biscuits, Rusks, Crackers & Cookies with Formulations 975/- 98 * Hand Book of Confectionery with Formulations 900/- 90 * Breakfast, Dietary Food, Pasta & Cereal Products Tech 1150/-120 * Modern Bakery Products 900/- 90 * Modern Bakery Products 900/- 90 * Modern Bakery Technology & Fermented Cereal Products with Formulae 1250/-125 * Confectionery,Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop & Jelly Products 1750/-175 * H.Book of Bakery Industries 950/-95
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