

HI-TECH PROJECTS

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JUST PREPARED NEW PROJECTS FOR YOU

BOTTLING PLANT (IMFL & COUNTRY LIQUOR) [EIRI-1732]

An Overview of the Indian Liquor Industry, The alcohol industry is very important for the government. It generates an estimated Rs. 18,000 crore per annum in spite of the fact that the per capita consumption of liquor in India is the lowest in the world. The total liquor industry is worth Rs. 2,000 crore. IMFL accounts for only a third of the total liquor consumption in India. Most IMFLs are cheap and are priced below Rs. 300 per bottle. Alcohol sales proceeds account for 45% of the total revenue collection in the country. Whiskey accounts for 60% of the liquor sales while rum; brandy any vodka account for 17% 18% and 6% respectively.

Cost Estimation

Plant Capacity	800 Boxes/Day
Land & Building (3 Acres)	Rs. 4.40 Cr.
Plant & Machinery	Rs. 3.23 Cr.
W.C. for 1 Months	Rs. 1.94 Cr.
Total Capital Investment	Rs. 9.88 Cr.
Rate of Return	22%
Break Even Point	61%

PET VIRGIN GRANULE PROCESSING (PET GRANULES/DANA) [EIRI-1733]

Polyethylene Terephthalate (PET) is a thermoplastic polyester. It is used for the production of bottles, sheet, strapping and injection moulded products. PET bottles are used in a wide range of applications such as carbonated soft drink (CSD), water (still/carbonated), Liquor (IMFL/Country Liquor), Edible Oil, pharmaceutical, food and beverages, agro chemicals, toiletries, cosmetics and consumer goods. PET is also used for non-bottle applications such as thin/thick sheet, dual-ovenable Crystallised PET (CPET) containers, injection moulded components and strapping.

Cost Estimation

Plant Capacity	3.33 MT/Day
Land & Building (1000 Sq.mt.)	Rs. 1.43 Cr.
Plant & Machinery	Rs. 51 Lacs
W.C. for 1 Month	Rs. 85.85 Lacs
Total Capital Investment	Rs. 2.86 Cr.
Rate of Return	32%
Break Even Point	52%

GYPHUM PLASTER BOARD, GYPHUM PLASTER AND PLASTER OF PARIS [EIRI-1734]

Gypsum Plaster Boards are constructional sheets composed of concined Gypsum with about 15% fibre. Its outstanding contributes are fire resistance, dimentional stability, easy workability and low cost fibres are added to provide crack resistance and for fire resistance water repellent chemicals may be added to the board core. The various sources of gypsum in India when developed will yield in addition to high grade gypsum. According to the present knowledge the latter has prospect of economic use as building materials, namely plaster, plaster boards and block. Gypsum plaster boards can be used as covering for walls

ceilings and partition in normally by environments and under controlled conditions of humidity and temperature in buildings.

Cost Estimation

Land & Building (15,000 Sq.mt.)	Rs. 15.20 Cr.
Plant & Machinery	Rs. 2.83 Cr.
W.C. for 2 Months	Rs. 8.33 Cr.
Total Capital Investment	Rs. 26.90 Cr.
Rate of Return	39%
Break Even Point	39%

DISTRIBUTION TRANSFORMER MANUFACTURING AND RECONDITIONING [EIRI-1735]

A transformer is a device that transfers electrical energy from one circuit to another through inductively coupled conductors the transformer's coils. A varying current in the first or primary winding creates a varying magnetic flux in the transformer's core and thus a varying magnetic field through the secondary winding. This varying magnetic field induces a varying electromotive force (EMF), or "voltage", in the secondary winding. This effect is called inductive. If a load is connected to the secondary, current will flow in the secondary winding and electrical energy will be transferred from the primary circuit through the transformer to the load. By appropriate selection of the ratio of turns, a transformer thus enables an alternating current (AC) voltage to be "stepped up" by making N_s greater than N_p , or "stepped down" by making N_s less than N_p . The windings are coils wound around a ferromagnetic core, air-core transformers being a notable exception.

Cost Estimation

Plant Capacity	486 Nos/Year
Land & Building (3000 Sq.mt.)	Rs. 3.04 Cr.
Plant & Machinery	Rs. 62 Lacs
W.C. for 2 Months	Rs. 91 Lacs
Total Capital Investment	Rs. 4.79 Cr.
Rate of Return	28%
Break Even Point	58%

COPPER OXYCHLORIDE (EIRI-1736)

Fungi are a large group of nongreen plants dependent upon the organic food made by photosynthesizing green plants. They represent a constant and ever present threat to many agricultural crops ranging from tropical and semi-tropical vegetation to temperate climate crops. Thus the control of phytopathogenic fungi is of great economic importance since fungal growth on plants or on parts of plants inhibits production of foliage, fruit or seed, and the overall quality of a cultivated crop. In addition, certain groups of fungi produce mycotoxins in infected crops, directly posing a health hazard to humans and animals.

Cost Estimation

Plant Capacity	9 MT/Day
Land & Building (1500 Sq.mt.)	Rs. 1.52 Cr.
Plant & Machinery	Rs. 1.07 Cr.
W.C. for 2 Months	Rs. 2.39 Cr.
Total Capital Investment	Rs. 5.33 Cr.
Rate of Return	90%
Break Even Point	25%

INTEGRATED UNIT OF LIME STONE TO LIME, SODIUM CARBONATE & BICARBONATE AND CAUSTIC SODA [EIRI-1737]

Alkali chemical constitutes the oldest segment of the chemical industry. These chemicals serve as key inputs for a number of industries such as aluminium, soap, detergent, glass, tyre, rubber, pulp and paper, pharmaceutical, water treatment, textiles, leather, fiber etc. The key chemicals in the chlor-alkali industry are Caustic Soda, Chlorine (including liquid chlorine), Soda Ash. Caustic Soda (chemically known as Sodium Hydroxide) and Chlorine are produced together through the electrolysis of common salt solution (Sodium Chloride or Brine). Caustic Soda and Chlorine are generated in the ratio of 1:0.89. Demand for chlorine drives caustic soda production globally, but in India the industry has developed in line with the demand-supply balance of caustic soda.

Cost Estimation (Rupees in Lacs)

Plant Capacity	500 MT/Day
Land & Building (40 Acres)	Rs. 6.775 Lac
Plant & Machinery	Rs. 9.586 Lac
W.C. for 3 Months	Rs. 7.162 Lac
Total Capital Investment	Rs. 26.128 Lac
Rate of Return	58%
Break Even Point	34%

SODIUM HYDRO SULFITE (EIRI-1738)

Sodium hydrosulfite is an important chemical used in the textile industry and sugar industry. It is also used in rubber industry as a oxygen remover. The another names of sodium hydrosulfite are sodium hydrosulfite and sodium dithionite and Sodium Sulfoxylate. It has the chemical formula.

Cost Estimation

Plant Capacity	20 Tons/Day
Land & Building (1 Acre)	Rs. 2.53 Cr.
Plant & Machinery	Rs. 2.10 Cr.
Total Capital Investment	Rs. 12.82 Cr.
Rate of Return	59%
Break Even Point	31%

AYURVEDIC COLLEGE WITH HOSPITAL [EIRI-1739]

Ayurveda, the perfect science or knowledge of life is believed to be the oldest treatment method which evolved around 600 BC in India. The word Ayurveda originated from the two Sanskrit words, 'Ayur' meaning life and 'Veda' meaning knowledge. Ayurveda practiced by special physicians called 'Vaidyas' is known to promote positive health, natural beauty and long life. Life, according to Ayurveda, is a combination of senses, mind, body and soul.

Cost Estimation

Land & Building (5 Acres)	Rs. 14.52 Cr.
Plant & Machinery	Rs. 13 Cr.
W.C. for 3 Months	Rs. 3.27 Cr.
Total Capital Investment	Rs. 32 Cr.
Rate of Return	29%
Break Even Point	57%

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29. I M F L (WINE, BRANDY, WHISKY	41 Cr.
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32. KRAFT PAPER FROM BAGASSE	15 Cr.
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40. MONOCHLORO ACETIC ACID FROM ETHANOL AND CHLORINE	18 Cr.
41. MINERAL WATER CUM PET BOTTLE MANUFACTURING UNIT	10 Cr.
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43. POWER PLANT FROM BIO GAS	12 Cr.
44. PRODUCTION OF BIO-OIL	3 Cr.
45. PVC PIPE AND FITTING	3 Cr.
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47. POWER PLANT (GAS BASED)	17 Cr.
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59. TUBULAR STEEL SWEDGE TYPE POLE	12 Cr.
60. TMT STEEL BARS	4 Cr.
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63. WOMEN POLYTECHNIC COLLEGE	24 Cr.

Each Project Report covers in this CD contains Introduction, Uses, Market, Process with Product Formulae, Suppliers of Plant & Equipments and Raw Materials, Cost Economics with Profitability Analysis, BEP, Resources of Finance etc.

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ZINC EDTA [EIRI-1740]

Zinc EDTA is a derivative of Ethylene diamine Tetra acetic Acid. Ethylene diamine Tetra acetic Acid is a Sequestering / Chelating Agent. EDTA is a synthetic amino acid. It is widely known as EDTA. It is a white powder. EDTA Acid is insoluble in water. It is also named as Ethylene diamine Tetra acetate. It is widely used to dissolve Metallic Impurities. There are various Salts/Derivatives of EDTA. EDTA is widely recognized as effective Sequestering Agent. EDTA grabs metallic cation such as Lead or Calcium from the process and forms a stable compound that is then excreted from the system. The stability of this bond is vital to get the success in removing the inorganic impurities out of the system. If the bond is weak, other chemicals can break this bond to form their own compounds.

Cost Estimation

Plant Capacity	1 MT./Day
Land & Building (800 Sq.mt.)	Rs. 1.14 Cr.
Plant & Machinery	Rs. 42.25 Lacs
W.C. for 1 Month	Rs. 47.42 Lacs
Total Capital Investment	Rs. 2.11 Cr.
Rate of Return	29%
Break Even Point	50%

MASTER BATCHES (COLOURED, PVC, LDPE, HDPE) [EIRI-1741]

As the name Suggests the predispersed colors or color concentrates contain a high ropertion (20-50% or even more) of pigment by weight uniformly dispersed in a suitable carrier resin. The carrier resin may be a liquid or solid. In the former case the product is a liquid dispersion while in the latter case the product is known as solid predispersed colour. Liquid dispersions may be available as low viscosity materials for plastisols, or high viscosity pastes for thermoplastics. Solid concentrates in the form of powders they are suitable for use in powder resins. These concentrates are usually marketed for specific or a group of related plastics. Some so called universal dispersions are also available in the market.

Cost Estimation

Plant Capacity	4 Ton/Day
Land & Building (1500 Sq.mt.)	Rs. 2.12 Cr.
Plant & Machinery	Rs. 55 Lacs
W.C. for 3 Months	Rs. 2.76 Cr.
Total Capital Investment	Rs. 5.53 Cr.
Rate of Return	38%
Break Even Point	40%

MANUFACTURING DOUBLE GLAZED uPVC WINDOWS WITH ARGON FILL [EIRI-1742]

uPVC - Unplasticized polyvinyl chloride. Chemical composition - PVC (resin) +CaCo3 (calcium carbonate) + TiO2 (titanium-di-oxide). uPVC also known as rigid PVC is extensively used in the building industry as a low-maintenance material. Very strong plastic used for making window frames and other parts of buildings. Wide range of colors, wooden finishes

and other textures. uPvc have High impact resistance, Unaffected by temperature, Corrosion resistant, Resistant to exhaust fumes and building industry chemicals, Aging resistant & etc. Windows and doors are the connection between rooms and the outside world. They allow light and air into the house and enable you to see the world outside while protecting from wind, harmful rays of sun and rain. They keep us warm in the winter and cool in the summer.

Cost Estimation

Plant Capacity	1000 sq.ft./Day
Land & Building (1500 Sq.mt.)	Rs. 75 Lacs
Plant & Machinery	Rs. 1.55 Cr.
W.C. for 3 Months	Rs. 2.76 Cr.
Total Capital Investment	Rs. 5.15 Cr.
Rate of Return	25%
Break Even Point	55%

MINI FLOUR MILL (ATTA, MAIDA, SUJI) [EIRI-1743]

The plant will have facility to produce, Maida, Sooji, Atta and bran. These products will be sold as per the guidance issued for Food and Civil Supplies Department of the concerned state. The same plant can be used to process other cereals such as rice gram, dal etc. However, attempt is made have to examine feasibility and profitability of processing wheat to produce Maida, Sooji, Atta and bran. Flour mill serve the purpose of processing wheat to convert it into flour. Wheat grains are the seeds of the wheat plant which is able to grow in kinds of soil and under widely differing climatic conditions.

Cost Estimation

Plant Capacity	20 MT./Day
Land & Building (1500 Sq.mt.)	Rs. 2.40 Cr.
Plant & Machinery	Rs. 1.21 Cr.
W.C. for 1 Month	Rs. 1.18 Cr.
Total Capital Investment	Rs. 4.85 Cr.
Rate of Return	30%
Break Even Point	51%

BANANA FIBRE EXTRACTION AND HAND MADE PAPER [EIRI-1744]

The use of "Banana" fiber for textile and other purpose as natural material is a new concept for India. However, considerable research work has been done by textile research organizations including BITRA, CITRA, KVIC (Khadi Village Industry Corporation) and NRCC (National Research Centre for Banana-Trichy) and it has been found that banana fiber can be a very promising source of natural fiber in the coming period. It may be noted that this fiber is already used successfully in Philippines since decades and hence it is also known popularly as "Manila Hemp".

Cost Estimation

Plant & Machinery	Rs. 1.37 Cr.
W.C. for 3 Months	Rs. 1.90 Cr.
Total Capital Investment	Rs. 9.96 Cr.
Rate of Return	88%
Break Even Point	22%

Start Your Own Industry

41 PLASTIC EXTRUSION AND EXTRUDER BASED INDUSTRIES (41 Project Reports in CD Rs. 43,821)

SUPERABSORBENT POLYMER (POLY ACRYLIC ACID BASED)

[EIRI-1745]

Superabsorbent polymers are primarily used as an absorbent for water and aqueous solutions for diapers, adult incontinence products, feminine hygiene products, and similar applications. Undoubtedly, in these applications, superabsorbent materials will replace traditional absorbent materials such as cloth, cotton, paper wadding, and cellulose fiber. Commercial production of superabsorbent polymers began in Japan in 1978, for use in feminine napkins. This early superabsorbent was a crosslinked starch-g-polyacrylate. Polyacrylic acids eventually replaced earlier superabsorbents, and is the primary polymer employed for superabsorbent polymers to Day. In 1980, European countries further developed the superabsorbent polymer for use in baby diapers. This first diapers employing this technology used only a small amount of polymer, approximately 1-2 g. In 1983, a thinner diaper using 4-5 grams of polymer and less fluff was marketed in Japan. The use of superabsorbent polymers revolutionized the diaper industry. Diaper manufacturers began to design diapers to take advantage of the amazing liquid retention ability of the polymer.

Cost Estimation

Plant Capacity	320 MT./Day
Land & Building (8 Acres)	Rs. 19.80 Cr.
Plant & Machinery	Rs. 16 Cr.
W.C. for 3 Months	Rs. 484.50 Cr.
Total Capital Investment	Rs. 521.45 Cr.
Rate of Return	37%
Break Even Point	28%

STAINLESS STEEL UTENSILS

[EIRI-1746]

Stainless steel cookware and bake ware is exceptionally durable. Once stainless steel has been stamped, spun or formed into utensil shape, it takes an extremely hard blow to dent it. Its attractive finish won't corrode or tarnish permanently, and its hard, tough, nonporous surface is resistant to wear. Extremely smooth and scratch resistant, stainless steel utensils take an excellent polish. Top-of-the-range cookware, bakeware, pantryware, tools and other equipment are frequently produced in stainless steel, which eases the work of homemakers. Like other steels, stainless steel is an alloy a combination of iron and other metals. What makes it different from other steels, however, is that it contains at least 11 percent chromium. It is chromium that makes steel "stainless" all the way through. Stainless steel may also contain other elements, such as nickel, molybdenum, columbium or titanium.

Cost Estimation

Plant Capacity	720 Kg./Day
Land & Building (2000 sq.mt.)	Rs. 1.31 Cr.
Plant & Machinery	Rs. 19 Lacs
W.C. for 2 Months	Rs. 52 Lacs
Total Capital Investment	Rs. 2.11 Cr.
Rate of Return	20%
Break Even Point	65%

DOUGH MOULDING COMPOUND (DMC) BULK MOULDING COMPOUND (BMC) SHEET MOULDING COMPOUND (SMC) [EIRI-1747]

Bulk moulding compounds represent a family of chopped fibre thermoset or thermoplastic based composite materials. Fibre lengths are typically 1/2 inch, 1 inch or 2 inch (6 to 50 mm). Longer fibres provide higher tensile strengths while shorter fibres allow more complex shapes to be moulded. Standard modulus and intermediate modulus fibres are utilized as is S2 glass. Ten Cate offers a complete line of epoxy based thermosets and also offers a line of thermoplastic resins such as PEEK, PEKK, PPS and PEI. Thermoplastic based resins offer low moisture uptake, good impact resistance and low flame, smoke and toxicity. Thermoset resins are precision coated and designed to be low flow for optimal high fibre/resin content. Premix is generally known as Dough Moulding Compound (DMC), flow mix or Bulk Moulding Compound (BMC). Premix has been defined as "A fiber reinforced thermo set molding compound not requiring advancement of cure, drying of volatiles, or other processing after mixing to make it ready for use at the molding press". To this might be added "and which can be molded without reaction by products under only sufficient pressure to flow and compact the material". If the word "mixing" in the above is changed to "manufacture" the definition can apply equally to sheet molding compound.

Cost Estimation

Plant Capacity	1 TPD/Day
Land & Building (1000 sq.mt.)	Rs. 1.13 Cr.
Plant & Machinery	Rs. 51 Lacs
W.C. for 3 Months	Rs. 1.10 Cr.
Total Capital Investment	Rs. 2.92 Cr.
Rate of Return	73%
Break Even Point	33%

LIQUID SULFUR TRIOXIDE (SO3) (EIRI-1748)

Sulfur trioxide (alternative spelling, sulphur trioxide) is the chemical compound with the formula SO₃. In the gaseous form, this species is a significant pollutant, being the primary agent in acid rain. It is prepared on massive scales as a precursor to sulfuric acid. Gaseous SO₃ is a trigonal planar molecule of D_{3h} symmetry, as predicted by VSEPR theory. SO₃ belongs to the D_{3h} point group. In terms of electron-counting formalism, the sulfur atom has an oxidation state of +6 and a formal charge of +2. The Lewis structure consists of an S=O double bond and two S-O dative bonds without utilizing d-orbitals.

Cost Estimation

Plant Capacity	320 MT./Day
Land & Building (10,000 Sq.mt.)	Rs. 6.50 Cr.
Plant & Machinery	Rs. 3.75 Cr.
W.C. for 3 Months	Rs. 3.06 Cr.
Total Capital Investment	Rs. 14.05 Cr.
Rate of Return	39%
Break Even Point	43%

1. B.O.P.P. FILM
2. COLOUR MASTER BATCHES FOR VARIOUS PLASTICS
3. DOUGH MOULDING COMPOUND (DMC), BULK MOULDING COMPOUND (BMC), SHEET MOULDING COMPOUND (SMC)
4. EXPANDED CELLULAR POLYETHYLENE SHEET
5. H.D.PE/PP BOX STRAPINGS
6. HDPE/PP WOVEN SACKS (BAGS)
7. HDPE FISHING NET
8. H.D.PE. AND FITTING PIPES
9. HDPE PIPES AND PIPE FITTINGS
10. INJECTION & BLOW MOULDED PLASTIC PRODUCTS
11. LAMINATION OF CO-EXTRUSION MULTI LAYER FILM IN ROLL FORM
12. MULTI LAYER CO-EXTRUSION, 3 LAYER - FILM WITH LAMINATION & PRINTING
13. NYLON GRANULES FROM NYLON WASTE
14. NYLON NET FOR GIVING SHADE TO TEA PLANT IN NURSERY
15. PET GRANULES (DANA)
16. PLASTIC INJECTION MOULDING PRODUCTS
17. PLASTIC MAT
18. PLASTIC MOULDED FURNITURE
19. P.V.C. PIPES AND FITTINGS
20. PLASTIC FILMS AND SHEETS WITH PRINTING (FLEXO AND ROTO) LDPE/HDPE/PP/HM/PVC
21. PLASTIC GRANULES FROM FRESH RESIN
22. PLASTIC ROPE
23. PLASTIC CORRUGATED SHEET & BOXES
24. PLASTIC TOOTH PICK
25. POLY-VINYL FLOORING
26. PLASTIC TARPULIN
27. POLYTHENE BAGS
28. PLASTIC SUTLI OR POLYPROPYLENE SUTLI
29. PVC EXTRUSION PROFILES (WIRING CHANNELS)
30. POLY CARBONATE SHEET
31. PVC/PLASTICS (SOFT/RIGID) FILMS/ SHEET
32. POLYESTER FILM
33. P.V.C. FLEXIBLE PIPES
34. PVC NON-WOVEN MAT
35. P.V.C. CONDUIT PIPES
36. POLYESTER ZIP FASTENERS
37. POLYPROPYLENE & MULTIFILAMENT SPINNING YARN
38. PLASTIC DOORS AND WINDOWS
39. TEFLON - COATED - ELECTRIC CABLES
40. uPVC DOORS & WINDOWS PROFILES
41. X-RAY FILM

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PAN MASALA AND MOUTH FRESHNERS [EIRI- 1749]

Pan masala contains catechu, chuna, flavouring agents and perfumery compounds etc. It refreshes the mouth and gives the feeling of cold in throat when taken in small amount. Panmasala is chewed either with pan or directly without any other thing. Pan masala is a mixture of nuts, seeds, herbs and spices which is served after meals in India. Various versions are also served in the Middle East and parts of Southeast Asia, where they are treated as mouth fresheners. Some households and restaurants make their own mixtures with special house ingredients, and it is also possible to purchase packaged pan masala from spice stores and many markets in India. Outside of India, it is available at Indian specialty stores and through importers.

Cost Estimation

Plant Capacity	300 Kgs./Day
Land & Building (500 Sq.mt.)	Rented
Plant & Machinery	Rs. 20 Lacs
W.C. for 1 Month	Rs. 32 Lacs
Total Capital Investment	Rs. 58 Lacs
Rate of Return	59%
Break Even Point	56%

TOYOTA AUTOVEHICLES DEALERSHIP WITH AUTOMOBILE GARAGE [EIRI-1750]

A car dealership or vehicle local distribution is a business that sells new or used cars at the retail level, based on a dealership contract with an automaker or its sales subsidiary. It employs automobile salespeople to sell their automotive vehicles. It may also provide maintenance services for cars, and employ automotive technicians to stock and sell spare automobile parts and process warranty claims. Car dealerships were traditionally large lots located out of town or on the edge of town centers and which relied on the skills of sales staff to sell vehicles. However, that model has begun to change and a number of automotive manufacturers have shifted the focus of their franchised retailers on to branding and technology. TOYOTA has moved to create a standard look for its dealerships around the world and to introduce 'product geniuses' to liaise with customers. TOYOTA has experimented with a hi-tech showroom that allows customers to configure and experience cars on 1:1 scale digital screens, has opened city centre brand stores to showcase its vehicles has opened city centre galleries where prospective customers can view cars that can only be ordered online.

Cost Estimation

Plant Capacity	1 Car/Day
Land & Building (4000 Sq.mt.)	Own
Plant & Machinery	Rs. 57 Lacs
W.C. for 1 Month	Rs. 3.39 Cr.
Total Capital Investment	Rs. 6.61 Cr.
Rate of Return	28%
Break Even Point	63%

ONION CHIPS & POWDER AND GARLIC POWDER (DEHYDRATION INDUSTRY) [EIRI-1751]

Onion (*Allium cepa*) belongs to the family Alliaceae. Onion is a vegetable crop consumed all over the world but cannot be grown in abundance in every country. It is mainly grown for its bulb which is used for consumption, flavouring and seasoning in almost every home. As an item of world trade, onion ranks second in importance after tomatoes among the vegetables. In India, onion is extensively cultivated over a large area spread almost throughout the country. It is produced for both domestic consumption as well as exports. The onions are regarded as a highly export oriented crop and earn valuable foreign exchange for the country. Though India produces a significant quantity of onions it is not regular and sufficient enough to meet the demands for both domestic requirement and exports.

Cost Estimation

Plant Capacity	1.60 Ton/Day
Land & Building (800 Sq.mt.)	Rs. 1.05 Cr.
Plant & Machinery	Rs. 49 Lacs
W.C. for 1 Month	Rs. 36 Lacs
Total Capital Investment	Rs. 1.98 Cr.
Rate of Return	38%
Break Even Point	48%

GLASS BOTTLE MANUFACTURING [EIRI-1752]

Glass is one of man's most valuable and versatile materials. About 700 different glass compositions are in commercial use. These are fabricated into tens of thousand of different articles that have combinations of properties for about a thousand essentially different uses. Glass ware manufacturing occupies an important role in the glass manufacturing industry. The process of glass ware manufacturing can be divided into the continuous production process and the discontinuous process. For former is a process in which processes from the input of raw materials through the moulding of glass are conducted continuously and in equispose utilizing the tank furnace.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (6000 Sq.mt.)	Rs. 8 Cr.
Plant & Machinery	Rs. 3.16 Cr.
W.C. for 3 Months	Rs. 2.30 Cr.
Total Capital Investment	Rs. 13.92 Cr.
Rate of Return	31%
Break Even Point	48%

GOAT FARMING [EIRI-1753]

Goats are among the main meat-producing animals in India, whose meat (chevon) is one of the choicest meats and has huge domestic demand. Due to its good economic prospects, goat rearing under intensive and semi-intensive system for commercial production has been gaining momentum for the past couple of years. High demand for goat and its products with

potential of good economic returns have been deriving many progressive farmers, businessmen, professionals, ex-servicemen and educated youths to take up the goat enterprise on a commercial scale. The emerging favourable market conditions and easy accessibility to improved goat technologies are also catching the attention of entrepreneurs. A number of commercial goat farms have been established in different regions of the country.

Cost Estimation

Land & Building (7200 sq.ft.)	Rs. 85.30 Lacs
Plant & Machinery	Rs. 2.25 Lacs
W.C. for 1 Month	Rs. 1.69 Lacs
Total Capital Investment	Rs. 92.64 Lacs
Rate of Return	19%
Break Even Point	53%

SANITARY NAPKINS (DISPOSABLE) [EIRI- 1754]

Sanitary napkin is a hygiene absorbent product used by women during menstrual periods. It is a product of technical textile. A sanitary napkin, sanitary towel, sanitary pad, menstrual pad, maxi pad, or pad is an absorbent item worn by a woman while she is menstruating, recovering from vaginal surgery, for lochia (post birth bleeding), abortion, or any other situation where it is necessary to absorb a flow of blood from a woman's vagina. The menstrual cycle stars for young women between the ages 11-17, frequently around 12-13 years. On average a woman experiences a period every 28th Day, 12-13 times in a year. A menstrual period normally lasts 3-7 Days. The loss of fluid in a period is on average half a cup or 65-80 ml. The menstrual pattern is influenced by giving birth and contraceptive methods. Menstruation lasts until menopause at the age 45-55. The feminine hygiene products market has evolved over more than 100 years.

Cost Estimation

Plant Capacity	1,60,000 Nos/Day
Land & Building (1500 Sq.mt.)	Rs. 2.15 Cr.
Plant & Machinery	Rs. 3.60 Cr.
W.C. for 3 Months	Rs. 1.32 Cr.
Total Capital Investment	Rs. 7.24 Cr.
Rate of Return	34%
Break Even Point	51%

WALNUT PROCESSING PLANT [EIRI-1755]

A walnut is the nut of any tree of the genus Juglans (Family Juglandaceae), particularly the Persian or English walnut, *Juglans regia*. It is used for food after being processed while green for pickled walnuts or after full ripening for its nutmeat. Nutmeat of the eastern black walnut from the *Juglans nigra* is less commercially available, as are butternut nutmeats from *Juglans cinerea*.

Cost Estimation

Plant Capacity	15 Tons/Day
Land & Building (2 Acres)	Rs. 1.94 Cr.
Plant & Machinery	Rs. 2.62 Cr.
Total Capital Investment	Rs. 26.32 Cr.
Rate of Return	45%
Break Even Point	32%

Top Industries to Start

<p>COLD STORAGE PLANT [EIRI-1757]</p> <p>All fruits and vegetables require specialized post harvest treatment, appropriate temperature and relative humidity for their storage. Establishment of cold storage provides refrigerated storage and preservation facilities for several fruits, vegetables & flowers. Because of technology advancements and logistic strategies, the cold storage of perishable items has become an important stage in the distribution between manufacturers/processors and retail locations. The cold storage will ensure the increased availability and improved quality of high value perishable fruits and vegetables for both export and local sale, which would otherwise perish or deteriorate. This project is designed for storing of potatoes and apples/ kinnu etc. but it can be used to store multiple products, stored in different compartments of the unit, where relative temperatures for respective products can be maintained. The major clientele of this business will be the export houses and the local trading and marketing units of potato and apple/kinnu. The project will further aim at storing fruits & vegetables even during off-seasons. The project will ultimately assist the clientele in maintaining market price equilibrium throughout the year for potatoes. Kashmir has rightly been described as, the land of fruits. Its land environment and salubrious climate has provided greater facilities for horticulture industry to grow more rapidly. The apparently growing fruit industry has changed the social and economic status of our rural Kashmir and helped its people in reshaping their economy to some extent.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>5000 MT.</td></tr> <tr><td>Land & Building (2 Acres)</td><td>Rs. 4.32 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 3.26 Cr.</td></tr> <tr><td>W.C. for 1 Month</td><td>Rs. 12 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 7.86 Cr.</td></tr> <tr><td>Rate of Return</td><td>19%</td></tr> <tr><td>Break Even Point</td><td>62%</td></tr> </table>	Plant Capacity	5000 MT.	Land & Building (2 Acres)	Rs. 4.32 Cr.	Plant & Machinery	Rs. 3.26 Cr.	W.C. for 1 Month	Rs. 12 Lacs	Total Capital Investment	Rs. 7.86 Cr.	Rate of Return	19%	Break Even Point	62%	<p>disintegration of the bulky fibrous material to individual or small agglomerate fibres. This is called pulping.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>100 MT./Day</td></tr> <tr><td>Land & Building (16 Acres)</td><td>Rs. 31.95 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 51 Cr.</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 25.40 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 111.49 Cr.</td></tr> <tr><td>Rate of Return</td><td>32%</td></tr> <tr><td>Break Even Point</td><td>52%</td></tr> </table> <p>GUAR GUM [EIRI-1759]</p> <p>The districts in Haryana indulge d in the production of guar are Bhiwani, Sirsa, Mahendragarh and Rewari and the districts in Gujarat are Kutch, Banaskantha, Mehsana, Sabarkantha and Ahmadabad. Jodhpur city in Ra jasthan is one of the major processing centers of guar gum in India. Guar also known as cluster bean (Cyamopsis tetragonoloba (L.) Taub) is a drought hardy leguminous crop. Guar is being grown for seed, green fodder, vegetable and green manuring. It is an annual plant, about 4 feet high, vertically, stalked, with large leaves and clusters of pods. Each pod is about 5-8 cm long and has on an average 6-9 small grayish-white pea shaped seeds. The pods are used as a green vegetable or as a cattle feed besides the industrial extraction of guar gum. Guar seed consists of major three portions viz. the seed coat, the endosperm and the innermost proteinacious portion, the germ. The endosperm is mechanically separated from seeds which yields 35-42% of gum (galactomannan). The left out portion, i.e., the outer seed coat and the germ together constitute guar meal.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>5 TPD/Day</td></tr> <tr><td>Land & Building (1 Acre)</td><td>Rs. 2 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 1.12 Cr.</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 2.53 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 5.75 Cr.</td></tr> <tr><td>Rate of Return</td><td>90%</td></tr> <tr><td>Break Even Point</td><td>25%</td></tr> </table>	Plant Capacity	100 MT./Day	Land & Building (16 Acres)	Rs. 31.95 Cr.	Plant & Machinery	Rs. 51 Cr.	W.C. for 3 Months	Rs. 25.40 Cr.	Total Capital Investment	Rs. 111.49 Cr.	Rate of Return	32%	Break Even Point	52%	Plant Capacity	5 TPD/Day	Land & Building (1 Acre)	Rs. 2 Cr.	Plant & Machinery	Rs. 1.12 Cr.	W.C. for 3 Months	Rs. 2.53 Cr.	Total Capital Investment	Rs. 5.75 Cr.	Rate of Return	90%	Break Even Point	25%	<p>CAST POLY PROPYLENE FILMS (CPP FILM) [EIRI-1646]</p> <p>The term CPP is used in the plastics industry to describe polypropylene-based films produced by a cast extrusion process (Cast Polypropylene). Although there are some CPP films used for hygiene applications and synthetic paper (usually involving fillers and other additives), the term CPP is usually used to refer to high clarity films targeting lamination, metallization and packaging applications.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>16.67 MT/Day</td></tr> <tr><td>Land & Building (4000 Sq.Mt.)</td><td>Rs. 2.45 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 2.80 Cr.</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 9.22 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 14.77 Cr.</td></tr> <tr><td>Rate of Return</td><td>46%</td></tr> <tr><td>Break Even Point</td><td>34%</td></tr> </table> <p>SPICES GRINDING [EIRI-1647]</p> <p>Spices which are basically plant products, have a definite role to play in enhancing the taste flavour, relish or piquancy of any food, most of the spices are pagrant, aromatic and pangent. They comprise seeds, bartes, rhizome, leaves fruits and other parts of plants, which belong to varigated species and genera since time immorial, india in renamed to be the have of spices. Most important spices like black pepper (king of spices) cardamom (queen of spices) cardamon (queen of spices), ginger, chilies and turmeric, which are produced in India import it great reputation and these constitute. The major group of spices.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>2 MT/Day</td></tr> <tr><td>Land & Building (1500 Sq.Mt.)</td><td>Rs. 1.30 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 1.15 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 4.40 Cr.</td></tr> <tr><td>Rate of Return</td><td>54%</td></tr> <tr><td>Break Even Point</td><td>49%</td></tr> </table>	Plant Capacity	16.67 MT/Day	Land & Building (4000 Sq.Mt.)	Rs. 2.45 Cr.	Plant & Machinery	Rs. 2.80 Cr.	W.C. for 2 Months	Rs. 9.22 Cr.	Total Capital Investment	Rs. 14.77 Cr.	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<p>KRAFT PAPER FROM WASTE CARTON BOXES [EIRI-1758]</p> <p>Paper form a commodity of prime importance to Day from the parts of view of mass communication, education, and industrial and economic growth. The art of paper making was first discovered in China in and around 2nd century. B.C. pan where it travelled slowly west ward and reached the prantiens of Europe. By the end of 14th century, a member of paper mill existed in Europe, particularly in Spain, Italy, France and Germany. the invention of printing in 1956 brought a vastly in creased demand for paper and paper-manufacturing was introduced to England. America followed in 1690. Agricultural residues, such as bagasse, rice husk, wheat husk jute sticks, grasses, etc are fast becoming popular materials for paper making. considerable attention is being given to the utilization of various agricultural by products for preparing pulp for paper manufacture landable efforts are being make in this direction. Paper production requires a</p>	<p>ALPHA CELLULOSE POWDER FROM COTTON WASTE [EIRI-1645]</p> <p>Cellulose is a natural carbohydrate high polymer (polysaccharide) consisting of anhydro glucose units joined by an oxygen linkage to form long molecular chains. that are essentially linear cellulose exist in three form. 1. Alpha, 2. Beta, 3. Gamma. Alpha cellulose has the highest degree of Polymerization (DP). It is insoluble in strong sodium hydroxide solution. The beta and gamma form have much lower DP and are known as hemicelluloses.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>2 MT/Day</td></tr> <tr><td>Land & Building (1500 Sq.Mt.)</td><td>Rs. 2.57 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 90 Lacs</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 93 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 4.51 Cr.</td></tr> <tr><td>Rate of Return</td><td>16%</td></tr> <tr><td>Break Even Point</td><td>65%</td></tr> </table>	Plant Capacity	2 MT/Day	Land & Building (1500 Sq.Mt.)	Rs. 2.57 Cr.	Plant & Machinery	Rs. 90 Lacs	W.C. for 3 Months	Rs. 93 Lacs	Total Capital Investment	Rs. 4.51 Cr.	Rate of Return	16%	Break Even Point	65%	<p>DOOR HINGES (MILD STEEL AND STAINLESS STEEL) [EIRI-1648]</p> <p>Hinges have extensive applications in joining doors, windows and similar other structures requiring a movement of one flank with respect to a fixed frame. In housing, the door flanks can have an angular movement with respect to the door frames of wood or steel or aluminium. Its function is to joint one part to the other.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>400 Kgs./Day</td></tr> <tr><td>Land & Building (1000 Sq.Mt.)</td><td>Rs. 1.75 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 48.20 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 2.97 Cr.</td></tr> <tr><td>Rate of Return</td><td>20%</td></tr> <tr><td>Break Even Point</td><td>58%</td></tr> </table> <p>Deposit amount in EIRI Account AXIS BANK LTD. 054010200006248 (IFS Code: UTIB0000054) or ICICI BANK LTD. CA-038705000994 (RTGS/NEFT/IFSC Code: ICIC0000387)</p>	Plant Capacity	400 Kgs./Day	Land & Building (1000 Sq.Mt.)	Rs. 1.75 Cr.	Plant & Machinery	Rs. 48.20 Lacs	Total Capital Investment	Rs. 2.97 Cr.	Rate of Return	20%	Break Even Point	58%																																										
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Best Industries to Start and Grow

CASHEW NUT PROCESSING [EIRI-1649]

Cashew (*Anacardium occidentale* L.) a native of Eastern Brazil introduced to India just as other commercial crops like Rubber, Coffee, Tea etc. by the Portuguese nearly five centuries back. The first introduction of cashew in India was made in Goa from where it spread to other parts of the country. In the beginning it was mainly considered as a crop for afforestation and soil binding to check erosions. The nuts, apple and other by products of this crop are of commercial importance. Though its commercial exploitation began from the early 60's, marginal lands and denuded forests were the areas set apart for the plantation development.

Cost Estimation

Land & Building (1000 Sq.Mt.)	Rs. 1.39 Cr.
Plant & Machinery	Rs. 58.35 Lacs
W.C. for 1 Month	Rs. 84.27 Lacs
Total Capital Investment	Rs. 2.90 Cr.
Rate of Return	32%
Break Even Point	54%

BIO GAS PRODUCTION & BOTTLING PLANT [EIRI-1650]

Energy is becoming a scarce and costly input in the world. Oil which accounts for a sizeable portion of our energy consumption, has been making a very heavy tax on our foreign exchange resources. Other than coal, we must also find alternate resources of energy centered around solar, wind, tidal and bio-gas. An effective bio-gas programme leads to efficient use of cow dung for gas recovery and partial supplement to plant nutrient requirement. Bio-gas programme leads to improvement in rural living including rural sanitation. Conventional bio-gas digesters set up in India were predominantly of the Khadi Village Industries Commission Model.

Cost Estimation

Plant Capacity	1500 Cubic Meter/Day
Land & Building (2000 Sq.Mt.)	Rs. 1.40 Cr.
Plant & Machinery	Rs. 1.00 Cr.
W.C. for 3 Months	Rs. 40 Lacs
Total Capital Investment	Rs. 4.86 Cr.
Rate of Return	26%
Break Even Point	50%

ISOBOL PROCESSING UNIT [EIRI-1651]

Isobgol (psyllium) is a natural gift to India especially to the North Gujarat and the southern part of Rajasthan since in no other part of the world the climatic conditions are such that which are favourable for growing Isobgol crop. Isobgol is a Persian name which means horse's ear. (Isob means horse any go means ear) The name completely suits the description of isobgol seed, as it is very much resembles horse's ear. The Isobgol seed has Two parts, the above thin white layer

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known as isobgol 'hush' or'sat' isobgol' and the inner red known as gola.

Cost Estimation

Plant Capacity	1 MT/Day
Land & Building (600 Sq.Mt.)	Rs. 73 Lacs
Plant & Machinery	Rs. 14.75 Lacs
W.C. for 2 Months	Rs. 22.56 Lacs
Total Capital Investment	Rs. 1.16 Cr.
Rate of Return	56%
Break Even Point	39%

10 MW GRID INTERACTIVE SOLAR POLYCRYSTALLINE PV POWER PLANT [EIRI-1652]

Grid interconnection of photovoltaic (PV) power generation system has the advantage of more effective utilization of generated power. However, the technical requirements from both the utility power system grid side and the PV system side need to be satisfied to ensure the safety of the PV installer and the reliability of the utility grid. Clarifying the technical requirements for grid interconnection and solving the problems are therefore very important issues for widespread application of PV systems. Grid interconnection of PV systems is accomplished through the inverter, which convert DC power generated from PV modules to AC power used for ordinary power supply for electrical equipments.

Cost Estimation

Plant Capacity	10 MEGA WATTS
Land & Building (120000 Sq.Mt.)	Rs. 5.24 Cr.
Plant & Machinery	Rs. 56 Cr.
W.C. for 2 Months	Rs. 26 Lacs
Total Capital Investment	Rs. 61.86 Cr.
Rate of Return	21%
Break Even Point	60%

GROUND CALCIUM CARBONATE MICRONIZATION PLANT [EIRI-1653]

Calcite is a carbonate of calcium (CaCO₃) containing 56% CaO and 44% CO₂. It is one of the important industrial minerals also known as 'Calc Spar'. Pure crystallised transparent variety of calcite is known as 'Iceland Spar' which is used as Nicol prism in optical instruments using polarised light. Calcite is the most abundant crystalline form of calcium carbonate (CaCO₃) Calcite limestone refers to a high-calcium limestone. As for hardness of calcite is concerned, pure calcite has a hardness of 3 Mohs, whereas naturally occurring limestone's lie in the range of 2-4 Mohs. Regarding the formation and occurrence of limestone/calcite mineral, this is widely distributed throughout the world in deposits of varying sizes & degrees of purity.

Cost Estimation (US DOLLAR)

Plant Capacity	30 MT/Day
Land & Building (1500 Sq.Mt.)	US\$ 2.17 Lacs
Plant & Machinery	US\$ 1.78 Lacs
W.C. for 2 Months	US\$ 97 Th.
Total Capital Investment	US\$ 6.88 Lacs
Rate of Return	24%
Break Even Point	58%

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Start Your Own Industry

SOYABEAN MILK AND PANEER [EIRI-1654]

Soyabeans are very much popular as food crop in most of the countries all over the world where a large number of food products are prepared from soyabean seeds. As edible oil milk and milk products giving sources crop the soyabeans are getting wide acceptance. In India too since last few decades. Soyabean seeds have a high nutritional composition; and can be converted in to various states, tastes, colours, flavours and other quality substances. As far as the use of soyabean is concerned it has taken a place from soap industry to food industries like. The soya milk, in particular has been developed like a boon for human beings as large. The speciality lies in the fact that in the reasons when traditional cow milk buffalo milk is not available in sufficient quantity, this milk serves the purpose almost equitably to other animal milk type. Soybeans possess a very high nutritional value.

Cost Estimation

Plant Capacity	1 MT/Day
Land & Building	Rented
Plant & Machinery	Rs. 7 Lacs
W.C. for 1 Month	Rs. 9 Lacs
Total Capital Investment	Rs. 18 Lacs
Rate of Return	63%
Break Even Point	61%

COCOA BUTTER AND COCOA POWDER WITH CULTIVATION [EIRI-1655]

Cocoa Powder (Cocoa) is the food prepared by pulverizing the material remaining after the part of fat (Cocoa Powder) is removed from chocolate liquor. The V.S. chocolate standards define three types of cocoas based on their fat content. These are (a) Breakfast, or high fat cocoa containing not less than 22% fat. (b) Cocoa, or medium fat cocoa containing less than 22% but more than 10%. (c) Low fat cocoa, containing less than 10% fat. Cocoa powder production to Day is an important part of the cocoa and chocolate industry, because of increased consumption of chocolate - flavoured products.

Cost Estimation

Plant Capacity	5 MT/Day
Land & Building (400 Acres)	Rs. 21.25 Cr.
Plant & Machinery	Rs. 2.29 Cr.
W.C. for 3 Months	Rs. 3.36 Cr.
Total Capital Investment	Rs. 27.21 Cr.
Rate of Return	67%
Break Even Point	22%

AUTOMATIC LINE FOR PROCESSING FRESH GINGER INTO DRY GINGER, GINGER, OIL, PASTE, POWDER & GINGER JUICE [EIRI-1656]

A genus of rhizomatous herbs distributed in the tropics of the old world, chiefly in India, East Asia and Malaysia. Fourteen, species are reported to occur in India Z-official, which

is the main source of ginger, is cultivated on a large scale in India, Bangladesh, Taiwan, Jamaica, Nigeria and Sieria, Leone, from which it is exported to other countries the world and ginger is cultivated also for internal consumption in Sri Lanka (Ceylon) and several East Asiatic countries and the crop has been introduced into Queens hand in Australia mainly for pickling. Ginger is mentioned in the early literature of China and India as a spice. Thus it is one of the earliest of known spices. In the 16th century, the Spaniards introduced it into the West Indies and Mexico.

Cost Estimation

Land & Building (2.5 Acres)	Rs. 5.75 Cr.
Plant & Machinery	Rs. 2.50 Cr.
Total Capital Investment	Rs. 16.93 Cr.
Rate of Return	36%
Break Even Point	39%

INSTANT FOOD MIX (IDLI MIX, DOSA MIX, SAMBAR MIX, VADA MIX GULAB-JAMUN MIX, DHUKLA MIX ETC.) [EIRI-1657]

Modern age has evolved an immense relish for fast food items which have become quite prevalent in view of their variety and palatability. Their demand is also enhancing at a tremendous pace. Among such food item, Dhokla, Dosa, Sambar, Gulab Jamun, Vada mix etc. constitute. Instant food mix. Their speciality owes to the significant progress in food technology. One great speciality is the facile availability of these food items at various shapes, vendors, and mobile food snacks parlours & these are very economical items.

Cost Estimation

Plant Capacity	600 KGS/Day
Land & Building (6000 Sq.Mt.)	Rs. 50 Lacs
Plant & Machinery	Rs. 12 Lacs
Total Capital Investment	Rs. 95.99 Lacs
Rate of Return	98%
Break Even Point	29%

PLASTIC MOULDED CHAIRS (P.P.) [EIRI-1658]

Due to the very low consumption as compared to developed countries and even in India, a large gap is to be filled by introducing new and cost effective products. Customers with low purchasing power don't have any option other than plastic furniture. Middle and lower classes in Pakistan is major buyer and these classes are 65% of total population. Also there are very few players in this business. The business of Molded Furniture has marked its place in the country through growth during the last ten years. This growth has opened up new opportunities. The prime reason for this is awareness about the product. Along with that, companies are offering conditional warranty of plastic chairs minimizing risk of customer. Molded Furniture is basically produces in developed countries to be used as Lawn Furniture and outdoor restaurants. As trends are from developed countries, it was introduced in Pakistan

around 1984-1985 by a Karachi based firm. Then a factory was installed in Gujranwala and then with the passage of time now there are some main 7units producing plastic chairs, tables, baby products, etc Day and nights. Due to low purchasing power people in Pakistan found this product cheap, associated with warranty covering the risk of consumers. Customer bank is increasing Day by Day with the penetration of companies, by introducing new and economical models, variety of colors, exports to Afghanistan etc.

Cost Estimation

Plant Capacity	400 Nos./Day
Land & Building (Existing)	Rs. 25 Lacs
Plant & Machinery	Rs. 1.50 Cr.
W.C. for 1 Month	Rs. 7 Lacs
Total Capital Investment	Rs. 1.87 Cr.
Rate of Return	9%
Break Even Point	73%

KURKURA AND NAMKEEN [EIRI-1659]

Namkeen products are in demand from over many years in India and are being exporting to many countries. Dal Moth, Chanachur & Bhujia are the important names enhancing the flavour & taste as processed foods. These are food products having no historical background & becomes in market and in social & cultural synonym as the society became more advanced. Initially in long-long ago, people did not heard the name of Dal moth, chur or Bhujia like food products. But now Days it is well known not in India but world wide. These are mainly consumed during breakfast period & are very much during social & cultural periods. These are used as tasty & flavored food as well as in medicinal way, however, a little it may be, according to ayurveda) because of their carminative stimulative digestive properties. India produces almost all these types of salty processed food products of grains all these types of salty processed food products of grains like Grams, Pulses etc. It aid in digestion and adsorption of food possesses anthelmintic and antiseptic properties. The main raw materials for these products are Gram pulses & spices. The various food additives & colours may be used to provide sophistications in the products. the raw material are frequency available in India. These salty food products get a broad market in foreign countries. These products are very much popular not only in India but also overseas countries.

Cost Estimation

Plant Capacity	20 MT/Day
Land & Building (2000 sq.mt.)	Rs. 3.60 Cr.
Plant & Machinery	Rs. 1.75 Cr.
W.C. for 1 Month	Rs. 4.70 Cr.
Total Capital Investment	Rs. 10.20 Cr.
Rate of Return	47%
Break Even Point	36%

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Top Industries to Start

SORBITOL FROM CORN

[EIRI-1660]

Sorbitol, a polyol (sugar alcohol), is a bulk sweetener found in numerous food products. In addition to providing sweetness, it is an excellent humectant and texturizing agent. Sorbitol is about 60 percent as sweet as sucrose with one-third fewer calories. It has a smooth mouthfeel with a sweet, cool and pleasant taste. It is non-cariogenic and may be useful to people with diabetes. Sorbitol has been safely used in processed foods for almost half a century. It is also used in other products, such as pharmaceuticals and cosmetics. D-Sorbitol, CH₂OH (CHOH) 4CH₂OH (D-glucitol, L-gulitol), is a hexahydric alcohol with a 6-carbon atom straight-chain that contains six hydroxyl groups, and has a molecular weight of 182.17.

Cost Estimation

Plant Capacity	20 MT/Day
Land & Building (4 Acres)	Rs. 6 Cr.
Plant & Machinery	Rs. 17 Cr.
W.C. for 3 Months	Rs. 7.98 Cr.
Total Capital Investment	Rs. 31.69 Cr.
Rate of Return	16%
Break Even Point	68%

POLYTHENE ROLLED SHEET

[EIRI-1661]

Over 60 million tons of poly(ethene), often known as polyethylene and polythene, is manufactured each year making it the world's most important plastic. Its uses include film, packaging and containers, from bottles to buckets. Polyethylene is a thermosetting white solid high temperature resistance excellent resistance to chemical and to creep, high impact and tensile strength. The density of polyethylene is effected by the shape and spacing of the molecular chain, low density material, have highly branched and widely spaced chain, whereas high density materials have comparatively straight and closely aligned chain. Polymer of the latter type are called linear.

Cost Estimation

Plant Capacity	5 Ton/Day
Land & Building (1000 Sq.Mt.)	Rs. 1.44 Cr.
Plant & Machinery	Rs. 42 Lacs
W.C. for 1 Month	Rs. 1.19 Cr.
Total Capital Investment	Rs. 3.12 Cr.
Rate of Return	49%
Break Even Point	37%

SUPERABSORBENT POLYMER (POLY ACRYLIC ACID BASED)

[EIRI-1662]

Superabsorbent polymers are primarily used as an absorbent for water and aqueous solutions for diapers, adult incontinence products, feminine hygiene products, and similar applications. Undoubtedly, in these

applications, superabsorbent materials will replace traditional absorbent materials such as cloth, cotton, paper wadding, and cellulose fiber. Commercial production of super absorbent polymers began in Japan in 1978, for use in feminine napkins. This early superabsorbent was a crosslinked starch-g-polyacrylate. Polyacrylic acids eventually replaced earlier superabsorbents, and is the primary polymer employed for superabsorbent polymers. European countries further developed the superabsorbent polymer for use in baby diapers. This first diapers employing this technology used only a small amount of polymer, approximately 1-2 g. In 1983, a thinner diaper using 4-5 grams of polymer and less fluff was marketed in Japan.

Cost Estimation

Plant Capacity	10 MT/Day
Land & Building (1 Acre)	Rs. 2.40 Cr.
Plant & Machinery	Rs. 1.90 Cr.
W.C. for 2 Month	Rs. 10.12 Cr.
Total Capital Investment	Rs. 14.70 Cr.
Rate of Return	38%
Break Even Point	36%

BISCUIT (ASSORTED) AUTOMATIC PLANT

[EIRI-1663]

Around the world Biscuits is the principal food and provides more nutrients than any other single food source. The value of grain in the world used for human consumption is over 2, 3 times of the value of the world iron and steel production. Although only 14% of the grain in the world is handled through international channels, cereal grains make up more than half of all the goods in overseas trade. The same Biscuit is made up from the word 'BIS' Which means twice and 'Cut' means Balled suggesting that product should be twice balled. The Biscuit were originally developed to meet the requirement of longer life of the barley products and for this, purpose, the dough were made up and twice balled to make them moisture free to improve their keeping qualities. The Biscuit manufacturing was started a century ago mainly to meet the requirement of European Travelers.

Cost Estimation

Plant Capacity	5 MT/Day
Land & Building (1000 Sq.Mt.)	Rs. 1.47 Cr.
Plant & Machinery	Rs. 82.75 Lacs
W.C. for 1 Month	Rs. 53.93 Lacs
Total Capital Investment	Rs. 2.98 Cr.
Rate of Return	63%
Break Even Point	43%

SYNTHETIC PEARL COATING ON POLYSTYRENE BEADS

[EIRI-1664]

Pearl is one of the highly elegant variety of gem among others. Though the availability of pearl (natural) is limited in market. This is so costly that only limited number of people can purchase the same. For general categories of people it is the synthetic pearl which is largely available and used by the people.

The plastic beads of suitable size is manufactured by plastic manufactures, which are either dip coated or spray coated by suitable coating material giving the same pearly effect on it. It gives same shining like natural pearl. It can be prepared in various shades depending on the addition of requisite dyes in the pearl coating compound.

Cost Estimation

Plant Capacity	4 Ton/Day
Land & Building (1000 Sq.Mt.)	Rs. 1.20 Cr.
Plant & Machinery	Rs. 50 Lacs
W.C. for 1 Month	Rs. 1.08 Cr.
Total Capital Investment	Rs. 2.89 Cr.
Rate of Return	70%
Break Even Point	29%

SODIUM SULPHIDE

[EIRI-1665]

Sodium sulphide, Na₂S, is an organic chemical that has attained as very important position in the organic chemical industry. It is an important sulphide of sodium. It is widely used in leather industry for removing hairs from the hide. It finds extensive applications in textile and also synthetics of sulphur dyes and reduction of amino compounds. It is also used in paper industry, lithography and engraving manufacture of sulphur black dyes etc. There was no production of sodium sulphide in India before the war, all the requirements being met from imports. Arrangements for the import of sodium sulphide failed and considerably difficulty was experienced by the textile and tanning industries in meeting the requirements of the defense serious for textiles and leather.

Cost Estimation

Plant Capacity	50 MT/Day
Land & Building (2 Acres)	Rs. 4.30 Cr.
Plant & Machinery	Rs. 1.85 Cr.
W.C. for 3 Months	Rs. 5.08 Cr.
Total Capital Investment	Rs. 11.45 Cr.
Rate of Return	51%
Break Even Point	35%

SORBITOL FROM CORN

[EIRI-1666]

Sorbitol, a polyol (sugar alcohol), is a bulk sweetener found in numerous food products. In addition to providing sweetness, it is an excellent humectant and texturizing agent. Sorbitol is about 60 percent as sweet as sucrose with one-third fewer calories. It has a smooth mouthfeel with a sweet, cool and pleasant taste. It is non-cariogenic and may be useful to people with diabetes. Sorbitol has been safely used in processed foods for almost half a century. The product has got great demand in future.

Cost Estimation

Plant Capacity	5 MT/Day
Land & Building (4000 sq.mt.)	Rs. 1.83 Cr.
Plant & Machinery	Rs. 3.41 Cr.
W.C. for 3 Months	Rs. 1.54 Cr.
Total Capital Investment	Rs. 6.88 Cr.
Rate of Return	50%
Break Even Point	41%

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☛ **PROCESS OF MANUFACTURE** : Inventory Controls & Tests, Comparative Study of Process for Manufacturing the Product, Formulations, Process Flow Sheet Diagram, Process Detail in Stages from Raw Materials to Finished Products

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☛ **LAND & BUILDING** : Total Land Area Requirement with Rates, Covered Area Break-up with Estimated Costs of Construction

☛ **PROJECT ECONOMICS** : Land & buildings, Plant, Machinery & Other Fixed Assets, Total Capital Investment, Working Capital Assessment, Raw Material & Consumable Stores, Staff Salaries & Wages, Utilities & Overheads, Total Cost of Project, Sources of Finance/Refinance, Break Even Point Determination.

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 * METALLIC STEARATE
 * SURGICAL METHYLATED SPIRIT
 * KHADSARI SUGAR (500 TCD)
 * COTTON (RUI) FROM WASTE

COTTON CLOTH
 * LAUNDRY & DRY CLEANERS
 * COATED YARN
 * TOUGHENED GLASS
 * CAUSTIC SODA (SODIUM HYDROXIDE) (NaOH) ELECTROLYTIC PROCESS
 * PLASTIC WASTE RECYCLING UNIT & PYROLYSIS PLANT FROM PLASTIC AND RUBBER WASTE (INTEGRATED UNIT)
 * CHITIN & CHITOSAN FROM PRAWN SHELL WASTE
 * PASTA PRODUCTION PLANT (SHORT PASTA)
 * SODIUM HYDRO SULFITE THROUGH FORMALDEHYDE ROUTE CAP-20 TPD
 * SODA ASH PLANT FROM SOLVAY PROCESS
 * ONION, AND GARLIC POWDER WITH GRAPE DEHYDRATION (RAISINS)
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 * DI-METHYL PHTHALATES (DMP)
 * GLUTEN FREE BEER

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BILLET CASTING WITH INDUCTION FURNACE FROM STEEL SCRAP & SPONGE IRON * PROCESSING OF LOW GRADE TUNGSTEN ORE FULL BODY & CHASSISS BUS PLANT * ASSEMBLY OF AIR – CONDITIONER/CHEST FREEZER/REFRIGERATOR * G.I.LADDER & PERFORATED TRAYS * ALUMINIUM DOORS & WINDOWS (ALUMINIUM FABRICATION) * LEAF SPRINGS FOR TRACTOR DRAWN TROLLEYS & FOUR WHEELER TEMPOS * STEEL BRIGHT BARS * AUTOMOTIVE ENGINE VALVE * AUTOMOTIVE BRAKING SYSTEM * DISPLAY COOLER * ERW STEEL PIPES & TUBES * STEEL INGOTS * TMT STEEL BARS (SARIYA) * AUTOMOBILE TRACTORS * ACTIVATED ALUMINA BALLS * ALUMINIUM FOIL * STONWARE PIPE (S.W.PIPE)/ CLAY PIPE * IRON ORE PELLETTIZATION * ELECTRIC CONTROL PANEL * SOLAR PV POWER PLANT * MACHINE SHOP (FOR OIL AND GAS ENGINEERING INDUSTRY, AEROSCAPE ENGINEERING INDUSTRY) * STEEL BRIGHT BARS * CEILING FAN * COPPER STRIP COILS FROM SCRAPS * PRODUCTION OF PV PANELS (SOLAR PV PANELS) * ROTARY AIR LOCKS, SCREW CONVEYOR, MOTORIZED/ PNEUMATIC DAMPER, FLAP VALVES, AIR SLIDES REQUIRED IN CEMENT PLANTS AND THERMAL POWER PLANT * ALUMINIUM EXTRUSION 	<ul style="list-style-type: none"> * ALUMINIUM COIL COATING FOR ACP AND ROOFING IND. * PAVING BLOCK * WIRE NAILS * TMT STEEL BARS * FASTENERS/NUT & BOLTS (INDUSTRIAL & AUTOMOBILE) * HYDRAULIC CYLINDERS * DISPOSABLE SYRINGES WITH NEEDLE PLANT * FABRICATION UNIT (PRESSURE VESSEL, REACTOR VESSEL & AGITATORS, HEAT EXCHANGERS) & SEAMLESS PIPES AND TUBES * COPPER POWDER FROM COPPER SCRAP * STONE CRUSHER * PRODUCTION OF ALL TYPES OF FANS SUCH AS AXIAL FANS,CENTRIFUGAL FANS (SMOKE EXTRACT FANS & FRESH AIR SUPPLY FANS), BATHROOM FANSETC. * STONE MINING * MAHINDRA CAR DEALERSHIP WITH AUTOMOBILE SERVICE STATION/GARAGE * AUTO FILTERS (AIR FILTERS, OIL FILTERS & FUEL FILTERS) * AAC & ACSR ALUMINIUM CONDUCTORS * MANGANESE ORE JIGGING * STEEL TRANSMISSION LINE TOWERS AND ROLLING MILL TO PRODUCE STEEL SECTIONS * FERRO SILICON (FROM MINERAL INGREDIENTS) STAINLESS STEEL TUBES * M.S.FASTENERS AND S.S. FASTENERS * PREFABRICATED STEEL FRAMED BUILDING MANUFACTURING PLANT * LEAD ACID BATTERY * GALVANISED WIRE * POWER TRANSFORMER (50 KVA TO 2000 KVA) * M.S. PIPE * GALVANISED IRON SHEETS * M.S.BILLETS * STEEL GRATING (GALVANISING ELECTRO FORGED STEEL GRATING) * ALLOY WHEELS PLANT * ESTABLISHMENT OF MANUFACTURING OF REFRIGERATING APPLIANCE * WELDED WIRE MESH * ALUMINIUM COLD ROLLING MILL FOR SHEETS & CIRCLES * ALUMINIUM ROLLING MILL FOR MANUFACTURING ALUMINIUM CIRCLES 	<ul style="list-style-type: none"> REQUIRED FOR PRESSURE COOKERS, NON STICK COOKWARES & CIRCLES * LPG CYLINDER * ALUMINIUM COMPOSITE PANNELS * DEEP FREEZER ENVIRONMENTAL CLEARANCE FOR EXPANSION OF INGOTS/ BILLETS PLANT * FERRO SILICON BY SMELTING PROCESS * ALUMINIUM CONDUCTOR * PRESTRESSED CONCRETE POLES * FASTENERS (NUT & BOLT) USED IN OIL AND GAS * ALUMINIUM ALLOY PLANT * STAINLESS STEEL SINKS * ALUMINIUM ALLOY PLANT * P.V.C BATTERYSEPARATOR * AUTOMOTIVE TYRE AND TUBE VALVES (VALVES MANUFACTURING) * PRESSURE COOKWARE ALUMINIUM, STAINLESS STEEL & HARD ANODIZED * SOLAR WATER HEATER DOMESTIC & INDUSTRIAL * CORRUGATED COLOURED ROOFING GALVANISED IRON SHEET * PRESSURE DIE CASTING * G.I.WIRE AND BARBED WIRE * G.I.WIRE & M.S. BINDING WIRE * HOT DIP GALVANIZING PLANT FOR STRUCTURAL STEEL AND PIPES * COLD ROLLING MILL * DOOR HINGES (MILD STEEL AND STAINLESS STEEL) * PRESSURIZED AEROSOLS (LIKE BODY SPRAYS, PERFUMES, SHAVING FOAM AND SHAVING LOTIONS ETC.) * ANHYDROUS SODIUM DITHIONITE PRODUCTION (SODIUM FORMATE PROCESS) * SODA ASH PLANT (FROM SOLUTION BRINE) * SISAL FIBRE REINFORCED * CEMENT ROOFING SHEET * HIGH ALUMINA REFRACTORY BRICK PLANT * CATHETERS MANUFACTURING * SURGICAL RUBBER DISPOSABLE GOODS 	<ul style="list-style-type: none"> * POULTRY AND HATHERY FARMING * MILK PROCESSING PLANT * ROASTED, SALTED ALMONDS, PEANUTS FOR PACKING IN 25g, 50g,250g & 500g SACHET-S * BEER FROM POTATOES * GUAR GUM POWDER * AUTOMATIC WHITE BREAD MAKING PLANT * AUTOMATIC BISCUIT MAKING PLANT * FROZEN FOOD BY IOF TECHNOLOGY * WALNUT PROCESSING PLANT * WHIPPING CREAM FRUITS & VEGETABLES POWDER UNIT (EXPORTS ORIENTED UNIT) * NATURAL MEDICINE & RESEARCH INSTITUTE WITH 150 BEDS HOSPITAL * PACKAGED DRINKING WATER (PACKED IN 330 ml CUP, 500ML BOTTLE, 1500 ML BOTTLE AND 20 LTR. JAR) * COLD STORAGE (CONTROLLED ATMOSPHERE OR CA) FOR POTATO CAP: 1,00,000 BAGS (50 Kg/Bag), STORING CAP: 5000 Mt, SOLVENT EXTRACTION & REFINING (SOYABEAN) (Cap- 250mt/day & 50mt/Day oil Refining) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKS, GIN) FROM RECTIFIED SPIRIT/ENA LUBE OIL BLENDING AND GREASES PLANT * COLD STORAGE FOR POTATO 1,00,000 BAGS (50 KG/BAG) * MAIZE FLOUR & BY PRODUCT MANUFACTURING PLANT * CUT FLOWER (GLADIOLI, MARGOLD, STATICE, CHRYSANTHEMUM ROSE WITH GREEN HOUSE) * CATTLE FARMING AND DAIRY PRODUCTS * COLD STORAGE FOR POTATO AND OTHER HORTICULTURE PRODUCTS Cap:- 5000 Mt or 100000 Bags (50 Kg/Bag) * DEXTROSE PLANT * SBR RUBBER SHEETS AND SHOE MANUFACTURING * CASHEW NUT PROCESSING * PLYWOOD AND PLYBOARD PARTICLE BOARD AND LAMINATED PARTICLE BOARD * VENEER MAKING, PLYWOOD & PLYBOARD MAKING * WALNUT & PINUS(CHILGOZA) OIL, SHELL POWDER PROCESSING PLANT * COUNTRY LIQUOR BOTTLING PLANT (1,00,000 BOTTLES/ DAY)
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<ul style="list-style-type: none"> * PLASTIC GRANULES FROM PLASTIC WASTE * ROPE AND SUTLI MAKING PLANT * BOTTLING PLANT (COUNTRY LIQUOR) 10,000 LTRS./DAY) * I.V. FLUID (FFS OR BFS TECHNOLOGY) * TOXIN PAN MASALA, TOBACCO LESS GUTKHA AND ZARDA * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * UPVC DOORS & WINDOWS FABRICATING PLANT (Fixing and Installation of Door and Windows of uPVC profiles) * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * MEDICAL COLLEGE WITH 750 BEDS HOSPITAL FACILITY * MICRO IRRIGATION PRODUCT MANUFACTURING PLANT * HOT DIP GALVANIZING MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * CEMENT TILES, CANAL LINE SLAB, KERVY STONE, PAYER RCC PIPE, MANOHOLE COVER,ENTERLOCKING ETC. MANUFACTURING PLANT * MEDICAL COLLEGE (100 STUDENT INTAKE CAP. MEDICAL COLLEGE WITH 500 BED HOSPITAL) * ESTABLISHMENT OF A PRIVATE UNIVERSITY * DIGITAL INKS * GALVANIZING PROCESS PLANT FOR ELECTRICAL POLES * MAIZE PROCESSING PLANT * STARCHES / MODIFIED STARCHES/ LIQUID GLUCOSE / DEXTROSE MONOHYDRATE /GLUCOSE SYRUPS / CORN SYRUP SOLIDS / HIGH MALTOSE CORN SYRUPS / MALTO DEXTRINE POWDER / CORN GLUTEN MEAL (60%) MAIZE OIL / SORBITOL. * BABY CARE PRODUCTS * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * BOTTLING OF WHISKY * UPVC DOORS & WINDOWS PROFILES * EPDM RUBBER PROFILES * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * FAST FOOD RESTAURANT WITH CENTRALISED KITCHEN 	<ul style="list-style-type: none"> * READY MADE GARMENT (T-SHIRT/POLO GOLFERS/ WOVEN SHIRTING & SUITING FOR UNIFORMS/SWEATERS) MANUFACTURING * BIO-DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA * FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN * GUAR SPLIT POWDER AND OTHER BY PRODUCTS * SOLVENT EXTRACTION PLANT (COTTON SEED) * RASGULLA MANUFACTURING AND CANNING * CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMNT * MAIZE & BY PRODUCTS PROCESSING -STARCH MODIFIED STARCHES/LIQUID GLUCOSE/DEXTROSE MONOHYDRATE/GLUCOSE SYRUPS/CORN SYRUP SOLIDS/HIGH MALTOSE CORN SYRPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQVID * INTEGRATED SCRAP YARD * POTATO STARCH * MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKA, GIN) FROM RECTIFIED SPIRIT/ENA * COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING MILK/DAY CAP-50,000 LTR/DAY * WHEAT FLOUR MILL * CHAKKI FLOUR MILL * I.V. FLUID (FFSTECHNOLOGY) * LIQUID GLUCOSE FROM POTATOES * SORBITOL FROM MAIZE STARCH * WALNUT PROCESSINGPLANT * SOLVENT EXTRACTION AND OIL REFINERY CUM PACKING OF RICE BRAN OIL * COTTON SEED OIL SOLVENT EXTRACTION PLANT * MARINE TRAINING INSTITUTE & PLACEMENT SERVICE PROVIDING AGENCY * I.V.FLUID (FFS TECHNOLOGY) * CERAMIC FIBERS, CERAMIC 	<ul style="list-style-type: none"> FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * COLD SUPPLY CHAIN * LAMI TUBE MANUFACTURING * EYE DROP 3 PIECES (PLASTIC VIALS) * PET BOTTLES (CAMBER/ CLEAR IN COLOUR) CAP: 15ML,60ML 100ML,135ML, 200ML & 500ML * BENZYL ALKONIUM CHLORIDE (BKC) * NATURAL SUGAR WAX * MARGARINE BUTTERFROM VEGETABLE OIL * GREEN HOUSE FOR CROP PRODUCTION * ORGANIC DAIRY FARMING * E-WASTE * BIO-DIESEL FROM ALGAE * VANADIUM PENT OXIDE GRAPHITE MINING AND BENEFICIATION PLANT * VITAMIN WATER * PET PREFORM CUM PET BOTTLES * ORGANIC DAIRY FARMING AND PRODUCING WHOLE MILK POWDER (WMP) * HDPE BOTTLES * CAUSTIC SODA FROM SODIUM CHLORIDE * COAL TAR PITCH * MOSQUITO REPELLANT * WRIST BAND * CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID * PAPAIN FROM PAPAYA * PROCESSED CHEESE * MONOCHLORO BENZENE * EUGENOL FROM CINNAMON OIL * SULPHUR 80% WDG * CERAMIC FIBERS, CERAMIC FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * SCREEN PRINTING * DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE & HAIFA PROCESS * PVC FLEXIBLE PIPE * FLEX BANNER USED IN DIGITAL PRINTING * PIGMENTS BINDERS FOR TEXTILE PRINTING * POULTRY & HATCHERY FARM * ALOEVERA JUICE AND GEL * LIME PUTTY * AUTOMOBILE WORKSHOP/ GARAGE * EGG TRAY FROM PULP * CARDANOL FROM C.N.S.L. * OXYGEN GAS 	<ul style="list-style-type: none"> * POLYALUMINIUM CHLORIDE * NAMKEEN INDUSTRY (BHUIJA, CHANACHUR ETC.) * POLYOL USED FOR POLYURETHANES * POLYSTYRENE POLY PROPYLENE OXIDE * DIETHYL PHTHALATE * UREA FORMALDEHYDE AND MELAMINE * FORMALDEHYDE MOULDING POWDER * INSTANT COFFEE * ANNATTO SEED COLOUR EXTRACTION * FRUITS AND VEGETABLES DRYING BY (FREEZE DRYING METHOD) * BIO GAS PRODUCTION AND BOTTLING PLANT * JAM, JELLIES, FRUIT JUICE AND ALLIED PRODUCTS * MATERNITY NURSING HOME * CANNING & PRESERVATION OF VEGETABLES * CURCUMIN & TURMERIC OIL FROM TURMERIC * DETERGENT WASHING POWDER (ARIEL TYPE) * GRANITE SLAB AND TILES * TEA PACKAGING * PAN MASALA & GUTKHA * PRESTRESSED CONCRETE ELECTRIC POLES * LEATHER SHOES * ROTOGRAVURE PRINTING (FOR FLEXIBLE PACKAGING) * AUTO FLEAVED AERATED CONCRETE BLOCKS * OXYGEN AND NITROGEN GAS PLANT * MANGANESE ORE BENEFICATION * MINERAL WOOL * CALCIUM SILICATE * TOUGHENED GLASS * HUMIC ACID * OFFSET PRINTING UNIT (5 COLOUR) * CASTOR OIL AND ITS DERIVATIVES OLEORESIN * TISSUE PAPER PULPING FROM SAW DUST * KNITTED GLOVES * RADIATOR COOLANT * LATEX FOAM RUBBER (SPONG RUBBER) * GARLIC OIL AND POWDER * ACTIVATED CARBON & SODIUM SILICATE FROM PADDY/ RICE HUSK * TRIETHYLENE GLYCOL * RAMMING MASS * WOOD PEELING & VENEER MAKING * PETROLEUM JELLY * DAIRY FARM (COW & BUFFALO) TO PRODUCE
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<ul style="list-style-type: none"> * MILK & PACKAGING IN POUCHES * CUTTING OIL LIQUID GOLD (IN PASTE FORM) * P.V.C. LEATHER CLOTH (REXINE) * COAL TAR DISTILLATION * ALUMINIUM LABEL PRINTING * FOLDING CARTNS/MONO CARTONS * SURGICAL DISPOSABLE GLOVES (DIPPED RUBBER GOODS) * AGRICULTURAL CHEMICAL (PLANT GROWTH PROMOTER AND PLANT GROWTH REGULATOR) * MENTHOL BOLD CRYSTALS FROM MENTHOL FLAKES * ORGANIC FARMING * CORRUGATED POLYCARBONATE SHEET * COLD STORAGE * FLAT PVC LAMINATED * SAFTY GLASS/TOUGHENED GLASS * PLASTIC GRANULES FROM WASTE * DRY WALL PUTTY (WHITE CEMENT BASED) * CHARCOAL BRIQUETTE * OXALIC ACID FROM MOLASSES * POTATO GRANULES * SANITARY NAPKINS & BABY DIAPERS * CORRUGATED BOXES * PLASTER OF PARIS * RUBBER ROLLER FOR PRINTING MACHINE * LACTIC ACID * EMERY PAPER (SAND PAPER) * RUBBER RECLAIM SHEET FROM USED BUTYL TYRE AND TUBE * MANGO PULP * PARTICLE BOARD FROM BAGASSE AND RICE HUSK * TOILET PAPER & NAPKINS * TENDER COCONUT WATER * CALCIUM CARBONATE * LIME CALCINATION PLANT * INJECTION MOULDED PLASTIC COMPONENTS * HYDRATED LIME * BLACK PEPPER * MULTIAXIAL GLASS FABRIC * LIQUID TOILET CLEANER (HARPIC TYPE) * LIME & PRECIPITATED * CALCIUM CARBONATE * LIQUID GLUCOSE FROM BROKEN RICE 	<ul style="list-style-type: none"> * MEDICAL DISPOSABLE PLASTIC SYRINGES * METAL POLISHING BAR * SANITARY NAPKINS & BABY DIAPERS * PERFUMES/ATTAR * GEMS AND JEWELLERY * MULTIAXIAL GLASS FABRIC * ACTIVE ZINC OXIDE * COPPER PHTHALOCYANINE * TURMERIC OIL EXTRACTION FROM DRY TURMERIC * CNSL BASED RESIN IN LIQUID & POWDER FORM * BOPP FILM * BETA IONONE * BIO-FERTILIZER * ZINC & COPPER SULPHATE * PAPER BASED PHENOLIC SHEET (FOR ELECTRICAL APPLIANCE) * THINNERS (WHITE SPIRIT BASED) * SINGLE SUPER PHOSPHATE & SULPHURIC ACID * MONO CALCIUM PHOSPHATE & DI-CALCIUM PHOSPHATE * FLEXIBLE P.U. FOAM * ASPIRIN * SORBITOL FROM MAIZE STARCH * SPICE OIL & OLEORESIN * ANTI-FOAMING AGENT (SILICONE BASED) FOR DISTILLERY, SUGAR, PAPER PLANT ETC. * LAUNDRY & DRY CLEANER * BRICKS FROM STONE DUST * CARBOXY METHYL STARCH * TITANIUM DIOXIDE * UNDECYENIC ACID * PSA BASED NITROGEN GENERATOR * SYNTHETIC IRON OXIDE * PVC INSULATION TAPE * TAMARIND KERNEL POWDER * ORGANIC CHEMICAL & SOLVENTS * PLASTICIZERS * ICE PACK (SOLUTIONS TYPE, VIOLET-SEMI SOLID POLYMER TYPE) * GUM FROM TAMARIND * PEARL SUGAR CANDY (MISHRI) * GOAT & SHEEP FARMING * GYPSUM PLASTIC BOARD (AUTOMATIC PLANT) * NON-WOVEN INDUSTRY (CARRY BAGS, SURGICAL GOWN, FACE MASK, ROUND CAPS, SHOE COVER, GLOVE) * COTTON SPINNING, SIZING, 	<ul style="list-style-type: none"> * YARN, DYEING & WEAVING * CALCIUM CHLORIDE * AMINES & ALLIED PRODUCT * SPINNING COTTON * SILICONE FROM RICE HUSK * ADHESIVE (FEVICOL TYPE) * CAUSTIC SODA FROM ELECTROLYSIS * CAMPHOR TABLETS * CERAMIC GLAZED WALL AND FLOOR TILES * ZINC SULPHATE MONO * ETHANOL (BIO FUEL) FROM RICE STRAW * GYPSUM MOULDING AND GYPSUM BOARD * SMOKELESS COAL * ACID (SILICA) AND BASIC RAMMING MASS * UNSATURATED POLYESTER RESINS * DAIRY (BUFFALO) FARMING * SILICONE FROM RICE HUSK * N-ACETYL THIOZOLIDINE-4-CARBOXYLIC ACID (NATCA) * PE BASED CARBON BLACK COMPOUND * ONION DEHYDRATION * PVC PIPES & FITTING * GLASS REINFORCED * GYPSUM MOULDINGS * ABSORBENT COTTON & SURGICAL BANDAGES * CALCIUM STEARATE BY FUSION PROCESS * MANGO POWDER & OTHER FREEZE DRIED PRODUCTS * MENTHOL OIL FROM LEAVES AND MENTHOL * CRYSTALS (PEPPERMINT) MANUFACTURE OF CELLULOSE ACETATE * ANTIFOAMING / DEFOAMING AGENT * ALOEVERA CULTIVATION & PROCESSING * SYNTHETIC MAGNESIUM SILICATES * EPHEDRINE * HYDROCHLORIDE * ACTIVATED BLEACHNG EARTH * TECHNICAL TEXTILES * FORMALIN FROM METHANOL * CATIONIC SOFTNER (STEARIC ACID BASED) * PRECIPITATED SILICA * PU BASED FOOT WEARS * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE) * HDPE MONO FILAMEN NET * POTATO & ONION FLAKES 	<ul style="list-style-type: none"> * DUSTLESS CHALK (SCHOOL CHALK) * TOMATO POWDER * BIODEGRADABLE / COMPOSTABLE PLASTICS * ACRYLIC CO POLYMER EMULSION * ESTER GUM (FOOD GRADE) * PROTEIN BASED FOAMING AGENT * LECITHIN (SOYA BASED) * SOYA OIL AND CATTLE FEED FROM SOYA BEAN * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLO) BRICKS * CELL CAST ACRYLIC SHEET * ACRYLIC BATH TUB AND SHOWER TRAY * THERMOCOLE BASED DISPOSABLE PLATES * SODIUM SILICATE FROM RICE HUSK * ETHYL METHACRYLATE * SODIUM LAURYL ETHER SULPHATE * LATEX GLOVES, CONDOMS & CATHETER * CALCIUM NITRATE * GRAIN BASED ALCOHOL DISTILLERY * BULK DRUGS * MARBLE QUARRYING * CULTIVATION OF CAPSICUM IN GREEN HOUSE * SULPHUR 90% WDG * EGG POWDER * WOOD PLASTIC * COMPOSITE BOARD LINE * SODIUM LAURYL SULPHATE AND SODIUM LAURYL ETHER SULPHATE * FISH PROCESSING * BABY CEREAL FOOD & MILK POWDERS (BABY FOOD) * GUR (JAGGERY) * DAIRY PRODUCTS * CHLORINATED PARAFFIN WAX (CPW) * HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST) * HANDWASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING
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<p>FORMULA OF DIFFERENT TYPES QUALITIES (LOW/MEDIUM/HIGH COST)</p> <ul style="list-style-type: none"> * DIGITAL PHOTOPAPER/ INKJET PHOTOPAPER * KAOLIN FOR ROAD MAKING * PEPPERMINT CULTIVATION & PROCESSING * PEPPERMINT CULTIVATION & PROCESSING * HDPE PIPE * ACTIVATED CARBON FROM RICE HUSK * HT & LT INSULATOR, HT AIR BRAKE SWITCH D.O. FUSE, LIGHTENING ARRESTOR * PET BOTTLES IN CAP: 500ML, 1 LTR, 2 LTRS, 5 LTRS, USED FOR PACKAGED DRINKING WATER, EDIBLE OILS * ALCOHOLIC BEVERAGES (COUNTRY LIQUOR & IMFL) * QUARTZ BASED INDUSTRIES (QUARTZ POWDER SILICA SAND SILICA RAMMING MASS FUSED SILICA) * BEEDI (BIDI) BY MACHINE * RICE SHELLER * FRUIT RIPENING CHAMBER * MINERAL WATER AND PET BOTTLING PLANT * DIAGNOSTIC LAB AND * ONLINE TRADING BUSINESS * CEREAL MILLING * MINI OIL PLANT SUITABLE FOR GROUNDNUT OIL AND COTTON SEED OIL * CHANACHUR, BHUJIA, GANTHIA (AUTOMATIC PLANT) * KHADYA SURAKSHA (FOOD SECURITY) * PLASTIC WATER STORAGE TANKS * ZINC SULPHATE, MONOHYDRATE & HEPTA HYDRATE * CIGARETTE MANUFACTURING UNIT * CATTLE FEED PELLETS PLANT FOR COW & BUFFALO FOR BOOSTING MILK AND GROWTH * TYRE RECYCLING UNIT * PAPAIN EXTRACTION INDUSTRY * CAKE SHOP * BUSINESS PROCESS 	<p>OUTSOURCE (B.P.O.)</p> <ul style="list-style-type: none"> * EMPTY HARD GELATINE CAPSULES * BIOFERTILIZER * PLASTIC MOULDING UNIT (CHAIR, TABLES & VEGETABLE TRAYS) * GOLD POTASSIUM CYANIDE (G.P.C.) * HDPE, PVC & CPVC PIPES AND FITTINGS * NO CARB PASTE (ANTICARBURIZING PASTE-WATER SOLUBLE) FOR HEAT TREATMENT * CONVERSION WASTE PLASTIC WITH TYRE INTO ACTIVATED CARBON AND INDUSTRIAL FUEL * PYROLYSIS PLANT FROM PLASTIC & RUBBER * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS * AGAR AGAR * NAIL POLISH * PLASTIC GRANULES FROM WASTE * AGARBATTI SYNTHETIC PERFUMERY COMPOUNDS & AGARBATTI COMPOUNDS LIKE (CHAMPA, MOGRA, SANDAL WOOD & LOBAN) * PET PREFORM AND PET JARS (20 LTRS CAPACITY) * KRAFT PAPER FROM 100% WASTE PAPER * PRIVATE UNIVERSITY * LIQUID GLUCOSE AND MALTODEXTRIN FROM BROKEN RICE * DRY WALL PUTTY (WHITE CEMENT BASED) * CONSTRUCTION CHEMICALS OT PASTE * FUSED SILICA FROM SILICA SAND * BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS) * CONFECTIONERY UNIT (TOFFEE, CANDY /LOLLIPOP CHEWING GUM, BUBBLE GUM CHOCOLATE) * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR MODIFIED RESINS) 	<ul style="list-style-type: none"> * EPDM RUBBER PROFILES (WEATHER STRIPS, INDUSTRIAL MONOSTRIPS ETC) * GRANITE CUTTING AND POLISHING UNIT (100% EOU) * SURGICAL COTTON, ROLLER BANDAGE, CREPE BANDAGE & PLASTER CART (READY MADE) E.G. GYPSONA 3M CART * ENTERTAINMENT CLUB, HOLIDAY RESORT, 4 STAR HOTEL, AMUSEMENT PARK CUM WATER PARK, MUSHROOM & ITS PRODUCTS, FISH FARMING, LAKE FOR BOATING, DEER PARK ETC. * HDPE, PVC, LLDPE PIPES/ TUBES AND FITTING * EPOXIDIZED SOYABEAN OIL (SECONDARY PLASTICIZER) USED IN PVC COMPOUND * POULTRY PROCESSING PLANT * B.O.P.P. SELF ADHESIVE TAPES * I.V.SET * MANGANESE OXIDE AND MANGANESE SULPHATE * ODOURLESS NYLON GRANULES FROM FIBER OF WASTE TYRE WITHOUT CHANGING PROPERTIES OF NYLON * PARTICLE BOARD FROM RICE HUSK OR WOOD WASTE OR SUGAR CANE BAGASSE OR MIXED OF ALL ABOVE * POULTRY LAYER AND BROILER FARMING * TOMATO, GUAVA AND MANGO PULP * GREEN HOUSE * HYDROXY PROPYL GUAR (HPG) AND CARBOXY METHYL HYDROXY PROPYL GUAR * BATHSOAP MANUFACTURE * PLASTIC MOULDED CHAIRS * FROZEN POTATO PATTY * CALCIUM ALUMINATE * ACTIVATED CARBON FROM COCONUT SHELL * RIGID PVC FILM MANUFACTURE FOR PHARMACEUTICALS BLISTER 	<p>PACKAGING</p> <ul style="list-style-type: none"> * NYLONE 66 CURING TAPE USED IN RUBBER HOSE PIPE WRAPPING * ANTIFOAMING/DEFOAMING AGENT LIKE ANTAROL T-709 * SOY AND GLUTEN BASED MOCK MEAT * KRAFT PAPER USING WASTE PAPER AND OLD CORRUGATED CARTONS * GLASS BOTTLE FOR BEER AND BEER MUG (TUMBLER) * DISPOSABLE SYRINGES AND NEEDLE PLANT (Single Use Syringes, Single Use Needles & As Syringes) * DIRECT FILLED BALL PEN (USE AND THROW) * BENZALKONIUM CHLORIDE * SPINNING COTTON (COTTON SPINNING PLANT) * CALCIUM CHLORIDE USING LIME STONE AND HYDROCHLORIC ACID * RUBBER POWDER FROM WASTE TYRES * CALCINATION PLANT FOR PYROPHYLLITE AND DIASPORE MINERALS BY VERTICAL SHAFT KILN PROCESS * ONION, GARLIC & GINGER DEHYDRATION PLANT * POTASSIUM NITRATE * POTASSIUM SULPHATE * N.P.K. FERTILIZER * CHICORY EXTRACT (ROASTED CHICORY GRANULES/CUBES, LIQUID EXTRACT ETC.) * SOLID WASTE SEGREGATION * LAMITUBE MANUFACTURE * BOARDING SCHOOL * CERAMIC FUSE TUBE/ BARRELS USED IN HRC FUSE * SODIUM POLYACRYLATE DISPERSANT FOR USE IN WATER BASED PAINT WITH DISPERSANT FOR PIGMENT * NAIL POLISH, LIPSTICKS, NAIL POLISH REMOVER * SOYA PRODUCTS (MILK, PANEER, TOFU, BUTTER, CHEESE CURD/YOGURT, ICE CREAM) WITH PACKAGING UNIT * GREASE MANUFACTURING
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TERMS AND CONDITIONS

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* Technology of Gums, Adhesives & Sealants with Formulations * Hand Book of Adhesives with their Formulae (2nd Edn.) * Adhesives Technology & Formulations Hand Book * Technology of Glue & Adhesives with Adhesives Bonding and Formulations * Complete Hand Book on Adhesives and Adhesion Tech. with Project Profiles	PAINT, VARNISH, SOLVENTS, POWDER COATING & LACQUERS	BAKERY, CONFECTIONERY & BREAKFAST, PASTA & CEREALS * Hand Book of Bakery Industries * Hand Book of Confectionery with Formulations * Breakfast, Dietary Food, Pasta & Cereal Products Technology * Hand Book of Modern Bakery Products (2nd Edn.) * Modern Bakery Technology & Fermented Cereal Products with Formulae * Technology of Confectionery, Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop and Jelly Products with Formulations
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SWEETS, NAMKEEN & SNACK FOOD		
* Tech of Sweets (Mithai) with Formulae * Technology of Sweets (Mithai), Namkeen and Snacks Food with Formulae		

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Name of Books	Name of Books	Name of Books
<ul style="list-style-type: none"> * Agro Based H.B. of Plantation, Cultivation & Farming * Agro-Based Plantation Cultivation & Farming * Agro Chemical Industries (Insecticide & Pesticides) * Modern Bee Keeping & Honey Processing * Technology of Modern Rice Milling and Basmati Rice * Hand Book of Goat Farming * Floriculture Hand Book (Flowers Growing Technology) * Aloe Vera Cultivation, Processings, Formulations and Manufacturing Technology 	<ul style="list-style-type: none"> * Technology of Maize & Allied Corn Products * Technology of Food Processing Industries * Complete Book on Banana Cultivation, Dehydration Ripening, Processing, Products & Packaging Technology * Agro Food Processing and Packaging Technology * Modern Tech. of Tomato Processing & Dehydration (Ketchup, Juice, Paste, Soup & Drying) * Technology of Food Chemicals, Pigments & Food Aroma Compd. * Modern Technology of Agro Processing & Food Packaging Products with Project Profiles 	<ul style="list-style-type: none"> Manufacture of Cosmetics (Synthetic & Herbal) * Hand Book of Synthetic & Herbal Cosmetics * Technology of Herbal Cosmetics & Toiletries Products with Formulae
DAIRY FARM, MILK PROCESSING AND ICE CREAM	POULTRY FARM, HATCHERY & CHICKEN MEAT TECHNOLOGY	OILSEEDS AND FATS
<ul style="list-style-type: none"> * Hand Book of Dairy Formulations, Processes & Milk Processing Industries * Milk Processing and Dairy Products Industries * Hand Book of Dairy Farming to Produce Milk with Packaging * Hand Book of Ice Cream Technology and Formulae * Hand Book of Milk Processing, Dairy Products and Packaging Technology * Dairy Farming for Milk Production Technology * Commercial Dairy Farming with Project Profiles 	<ul style="list-style-type: none"> * Technology of Chicken Meat and Poultry Products * Poultry Farming, Hatchery & Broiler Production * Poultry Farm & Feed Formulae 	<ul style="list-style-type: none"> * Hand Book of Oils, Fats and Derivatives with Refining & Packaging Technology * Technology of Oilseeds Processing, Oils & Fats and Refining
HERBS CULTIVATION/MEDICINES	WOOD, PLYWOOD, PARTICLE, BOARD, BAMBOO & FOREST	ESSENTIAL OILS & AROMATIC
<ul style="list-style-type: none"> * Herbs, Medicinal & Aromatic Plants Cultivation * Aushidhi and Sungndhit Paudho Ka Vaysayik (Hindi) * Aromatic & Medicinal Plants and Biodiesel (Jatropha) * Hand Book of Medicinal & Aromatic Plants (Cultivation, Utilisation & Extraction Processes) 	<ul style="list-style-type: none"> * Modern Technology of Wood, Veneer, Plywood, Particle Board, Fibreboard, Bamboo & Forest Products 	<ul style="list-style-type: none"> * Essential Oils Manufacturing & Aromatic Plants * Modern Technology of Essential Oils * Technology of Perfumes, Flavours & Essential Oils * Essential Oils Processes & Formulations
FOOD & AGRO PROCESS, TOMATO PROCESSING, PRESERVATION, DEHYDRATION, FRUIT BEVERAGE, POTATO, MAIZE, MEAT, BANANA	SOAP, DETERGENT & ACID SLURRY	PERFUMES AND FLAVOURS
<ul style="list-style-type: none"> * Fruits & Vegetable Processing Hand Book (2nd Edn.) * Fruit Beverage & Processing with Mango * Food Processing & Agro Based Industries (2nd Edn.) * Preservation & Canning of Fruits and Vegetables * Hand Book of Food Dehydration & Drying * Meat Processing & Meat Products Hand Book * Technology of Food Preservation & Processing * Hand Book of Food Packaging Technology * Agro Based & Processed Food Products * Potato & Potato Processing Technology 	<ul style="list-style-type: none"> * Household Soap, Toilet Soap & Other Soap * Profitable Small Scale Mfr. of Soaps & Detergents * Synthetic Detergents with Formulations (2nd Edn.) * Modern Technology of Acid Slurry, Surfactants, Soap and Detergents with Formulae * Complete Technology Book on Detergents with Formulations (Detergent Cake, Dishwashing Detergents, Liquid & Paste Detergents, Enzyme Detergents, Cleaning Powder & Spray Dried Washing Powder) * Manufacture of Washing Soap, Toilet Soap, Detergent Powders, Liquid Soap & Herbal Detergents and Perfumes with Formulations 	<ul style="list-style-type: none"> * Hand Book of Flavours & Food Colourants Technology * H. B. of Perfumes & Flavours * Hand Book of Perfumes with Formulations (2nd Edn.) * Technology of Perfumes, Flavours & Essential Oils * H.B. of Flavours Technology
	COSMETICS TECHNOLOGY (SYNTHETIC & HERBAL)	SOLAR PV PANELS, ENERGY, CELLS
	<ul style="list-style-type: none"> * Cosmetics Processes & Formulations Hand Book * Herbal Cosmetics & Beauty Products with Formulations * Profitable Small Scale 	<ul style="list-style-type: none"> * Technology Of Solar Pv Panels, Energy, Cells, Lantern, Cooler, Light System, Cfl Inverter, Photovoltaic System, Power Plant, Water Heater, Collector, Solar Cooling, Refrigeration, Solar Drying, Tractor, Home System, Dish Engine, Nanotechnology & Other Solar Products Manufacturing
		BUILDING MATERIAL & CHEMICALS
		<ul style="list-style-type: none"> * Technology of Building Materials & Chemicals with Processes
		TEXTILE, GARMENTS, DYEING...
		<ul style="list-style-type: none"> * Mod. Tech. of Bleaching, Dyeing, Printing & Finishing of Textiles * Technology of Textiles (Spinning & Weaving, Dyeing, Scouring, Drying, Printing and Bleaching) * Garments Manufacturing Technology
		SPICES & COLD STORAGE
		<ul style="list-style-type: none"> * Spices & Packaging with Formula * Start Your Own Cold Storage Unit
		PULP & PAPER TECHNOLOGY
		<ul style="list-style-type: none"> * H.B. of Pulp & Paper, Paper Board & Paper Based Technology

**LIST OF PUBLICATIONS/BOOKS PUBLISHED BY: ENGINEERS INDIA
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Name of Books	Name of Books	Name of Books
NON WOVEN TECHNOLOGY	MINERAL AND MINERALS	PRODUCTS FROM WASTE
* Complete Tech. of Nonwovens Fabrics, CarryBags, Composite, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace and Absorbent Nonwoven	* Hand Book of Minerals and Minerals Based Industries	* Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda
PHARMACEUTICALS & DRUGS	RUBBER CHEMICALS, COMPOUNDS & RUBBER INDUSTRIES	* Products from Waste Technology Hand Book
* Pharmaceuticals and Drugs Technology with Formulations	* Rubber Chemicals & Processing Industries	WINE PRODUCTION
LEATHER & LEATHER PRODUCTS	* Modern Rubber Chemicals, Compounds & Rubber Goods Technology	* Technology of Wine Production and Packaging
* Hand Book of Leather & Leather Products Technology	* Technology of Rubber & Rubber Goods Industries	ORGANIC FARMING & FOOD/NEEM
BIOTECHNOLOGY	AYURVEDIC MEDICINES	* Hand Book of Organic Farming and Organic Foods with Vermi-Composting & Neem Product
* Hand Book of Biotechnology	* Ayurvedic & Herbal Medicines with Formulae	FISH FARMING & FISHERY PRODUCTS
CERAMICS & CERAMIC PROCESS	* Hand Book of Ayurvedic Medicines with Formulations (A Complete Hand Book of Ayurvedic & Herbal Medicines)	* Hand Book of Fish Farming and Fishery Products
* H.B.of Ceramics & Ceramics Processing Technology	STAINLESS STEEL, NON FERROUS METALS, BILLETS & ROLLING MILL	TEXTILE AUXILIARY & CHEMICALS
TREE FARMING	* Modern Technology of Non Ferrous Metals and Metal Extraction	* Textile Auxiliaries and Chemicals with Processes & Formulations
* Hand Book of Tree Farming	* Processing Technology of Steels and Stainless Steels	* Technology of Textile Chemicals with Formulation
MUSHROOM PROCESSING	* Modern Technology of Rolling Mill, Billets, Steel Wire, Galvanized Sheet, Forging & Castings	* Modern Technology of Textile Auxiliary and chemicals with formulations
* Hand Book of Mushroom Cultivation, Processing & Packaging	* Manufacturing Technology of Non-Ferrous Metal Products	* Textile Processing Chemicals, Enzymes, Dye Fixing Agents and Other Finishes with Project Profiles
BIOFERTILIZERS & VERMICULTURE	FOOD ADDITIVES/CHEMICALS AND SWEETENERS & FOOD EMULSIFIERS	DISINFECTANTS, CLEANERS, PHENYL, DEODORANTS, DISHWASHING DETERGENTS ETC.
* Biofertilizers & Vermiculture	* Modern Technology of Food Additives, Sweeteners and Food Emulsifiers	* Manufacture of Disinfectants, Cleaners, Phenyl, Repellents, Deodorants, Dishwashing Detergents & Aerosols with Formulations
BIODEGRADABLE PLASTICS AND POLYMERS	* Technology of Food Chemicals, Pigments and Food Aroma Compounds	COFFEE & COFFEE PROCESSING
* Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers and Others)	DISPOSABLE MEDICAL PRODUCTS	* Start Your Own Coffee & Coffee Processing
* Production of Biodegradable Plastics and Bioplastics Technology	* Technology of Disposable Medical Products	CASTING TECHNOLOGY
FROZEN FOOD AND FREEZE DRYING	SOYA MILK, TOFU & SOY PRODUCTS	* Casting Technology Hand Book
* Complete Hand Book on Frozen Food Processing & Freeze Drying Technology	* Technology of Soya Milk, Tofu, Hydrolyzate, Allied Soyabean Products with project Profiles	ONION DEHYDRATION
* Modern Technology of Frozen Food Products	* Technology of SOYBEAN Products with Formulae	* Onion Cultivation, Dehydration, Flakes, Powder, Processing & Packaging Technology

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02. Agro Based & Processed food Prd.	41. Textile Auxiliaries and Chemicals with Processes & Formulations	80. Coffee Processing Hand Book
03. Agro food Processing & Packaging	42. Hand book of Offset Printing Technology, Pre-Press, Plate Making, Web Offset, Newspaper Production	81. Casting Technology HandBook
04. Aloe Vera Cultivation, Processings, Formulations & Manufacturing Tech.	43. Organic Farming & Organic Foods with Vermi-Composting & Neem Products	82. Powder Coating Technology
05. Complete Book on Banana Cultivation, Dehydration, Ripening, Processing, Products & Packaging	44. Hand Book of Packaging Technology	83. Poultry Farming, Hatchery & Broiler Production
06. Citrus Fruits cultivation & Processing	45. Plastic Materials & Processing Tech.	84. Wine Production and Packaging
07. Commercial Dairy farming to produce milk with project profiles	46. Poultry Farming & Feed Formulations	85. Modern Technology of Bioprocessing
08. Complete Handbook on frozen food processing & freeze drying technology	47. Hand Book of Prepress	86. Profitable Small Scale Manufacture of Cosmetics (Synthetic/Herbal)
09. Dairy farming for milk production	48. Hand Book of Spices & Packaging with Formulaes	87. Technology of Herbal Cosmetics and Toilettries Products with Formulae
10. Technology of Synthetic Resin & Emulsion Polymers	49. Ceramics & Ceramics ProcessingTech	88. Tech of Maize & Allied Corn Products
11. Floriculture Hand Book (Hand book of flowers growing technology)	50. Injection Moulding of Plastics	89. Complete Hand Book on Adhesives & Adhesion Tech. with Project Profiles
12. Fruit Beverages and Processing with Mango Products	51. Manufacture of Snacks Food, Namkeen, Pappad & Potato Products	90. Hand Book of Tree Farming
13. Modern Technology of Printing Inks	52. Manufacturing Technology of Non-Ferrous Metal Products	91. Hand Book of Pig Farming
14. H. B. of Biofertilizers & Vermiculture	53. Chicken Meat and Poultry Products	92. Paints & Coatings with Formulations
15. H. B. of Adhesives with formulaes	54. Meat Processing & Meat Products H.B.	93. E-Book Formulations on Nail Enamel & Nail Polish Removers
16. Hand Book of Aromatic & Medicinal plants and Biodiesel (Jatropha)	55. Water & Packaged Drinking Water	94. E-Book Formulations on Herbal Hair Oils & Hair Lotions, Hair Vitalizer, Hair Styling Gel & Afro Products
17. Hand Book of Ayurvedic Medicines with formulations	56. Modern Tech of Frozen Food Products	95. E-Book on Herbal Cold Cream, Moisturizing Cream with Aloe Vera & Fairness Creams
18. Dairy Farming to Produce Milk/Pack	57. Modern Technology of Non-Ferrous Metals and Metal Extraction	96. Onion Cultivation, Dehydration, Flake, Powder, Processing & Packing
19. Hand Book of Electroplating Anodizing & Surface finishing technology	58. Modern Bakery Tech. & Fermented Cereal Products with Formulae	97. Modern Technology Of Textile Auxiliary And Chemicals With Formulations
20. Hand Book of Flavours Technology	59. Modern Bee Keeping and Honey Processing Technology	98. Identification of Plastics and other Plastic Processing Industries
21. H.B. of Food Dehydration & Drying	60. Acid Slurry, Surfactants, Soap and Detergents with formulae	99. Modern Technology of biodegradable Plastics and Polymers with Bio-Plastics, Starch Plastic, Cellulose Polymers and Others
22. Garments Manufacturing Technology	61. Modern Technology of Extrusion & Extruded Products	100. Manufacture of Washing Soap, Toilet Soap, Detergent Powders, Liquid Soap & Herbal detergents and Perfumes with Formulations
23. Hand Book of Goat Farming	62. Rolling Mill, Billets, Steel Wire, Galvanized Sheet, Forging & Castings	101. Complete Technology Book on Detergents with Formulations
24. Ice Cream Technology and formulae	63. Pet Bottles, Preform & Pet Recycling	102. Manufacture of Disinfectants, Cleaners, Phenyl, Repellents, Deodorants, Dishwashing Detergents and Aerosols with Formulations
25. Hand Book of Lubricants, Greases and Petrochemicals Technology	64. Plastic Additives Technology Hand Book	103. Complete Book on Identification of Plastics and Plastic Product Materials
26. Medicinal & Aromatic Plant Cultivation, Utilisation & Extraction Processes	65. Plastic Waste Recycling Technology	104. Technology of Solar PV Panels, Energy, Cells, Lantern, Cooler, Light System, CFL Inverter, Photo Voltaic System, Power Plant etc. (A Complete handbook on Solar & Solar Products)
27. Mushroom Cultivation, Prsg & Packing	66. Potato & Potato Processing Technology	105. Modern Technology of Textile Auxiliary & Chemicals with Formulae
28. Technology of Reinforced Plastics	67. Profitable Businesses to Start for Entrepreneurs	106. Thinners, Putty, Wall & Industrial Finishes and Synthetic Resins
29. Rotational Moulding Technology	68. Profitable Small, Cottage, Tiny and Home Industries.	107. Hand Book of Leather and Leather Products Technology
30. Technology of Sweets, Namkeen and Snacks Food with Formulae	69. Technology of Reinforced Plastics	
31. Technology of Coatings, Resins, Pigments & Inks Industries	70. Rotational Moulding Technology	
32. Confectionery, Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop & Jelly products with formulae	71. Tomato Processing & Dehydration- Ketchup, Juice, Paste, Puree, Soup and Drying	
33. Technology of Food Preservation and Processing	72. Nonwovens-Fabrics, Carrybags, Composites, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace & Absorbent Nonwovens	
34. Tech. of Food Processing Industries	73. Soybean Products with Formulae	
35. Technology of Perfumes, Flavours and Essential Oils	74. Agro Processing and Food Packaging Products with Project Profiles	
36. Technology of PVC Compounding and Its Applications	75. Soya Milk, Tofu, Hydrolyzate, allied Soyabean Product with Project Profiles	
37. Technology of Rubber & Rubber Goods Industries	76. Products from Waste Technology	
38. Technology of Sweets (Mithai) with Formulae	77. Food Additives, Sweeteners	
39. Technology of Synthetic Dyes, Pigments & Intermediates	78. Food Chemicals, Pigments and Food Aroma Compounds	
40. Technology of Oilseeds Processing,	79. Technology of Glue and Adhesives with Adhesives Bonding and	

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2. 6 Agarbatti and Allied Projects	34. 24 Soap & Detergents	59. 44 Textile, Garments, Hosiery & Allied Products
3. 6 Lucrative Project on Thinners	35. 25 Ayurvedic/Herbal Pharmacy and Cosmetic Products	60. 45 Profitable Chemicals and Allied Projects
4. 7 Power Based Projects	36. 25 PVC (Polyvinyl Chloride) & PVC Based Profitable Projects	61. 45 InfoTech/IT, Hospitality, Hospital, College, School, Medical, Entertainment Club, Ware Housing & Real Estate Projects
5. 8 Mango and Mango Based Projects	37. 26 New Educational Projects (Schools, Colleges, Training/ Management Institutes, Hostels etc.	62. 46 Projects on Infrastructure, Real Estate, Hotels, Hospitals, Hospitality
6. 9 Poultry Farming, Chicken Processing and Hatchery Projects	38. 28 Fruit Juices, Food Dehydration & Allied Projects	63. 50 Electrical, Electronic & Computer/IT Based Industries
7. 9 Tea Plantation & Processing Based Industries	39. 28 Multi Crores Profitable Projects (10 Cr. to 50 Cr.)	64. 52 Cosmetics (Herbal & Synthetics) Projects
8. 9 Wheat and Wheat Projects	40. 28 Profitable Multicrores Projects (2 Cr. to 8 Cr.)	65. 52 Food, Dairy, Bakery, Confectionery & Snacks Projects
9. 10 Coconut & Coconut By Products	41. 28 Multicrore Lucrative Projects (100 Cr. to 300 Cr.)	66. 52 Small Scale 25 to 50 Lacs Investment Projects
10. 10 Leather Tanning, Garments, Footwear, Chemicals Industries	42. 28 Surgical & Disposable Projects	67. 54 Paints, Varnish, Solvent Lacquers, Resins, Enamel Powder Coating Projects
11. 10 Maize & Corn Processing Projects	43. 29 New Profitable (1.5 Cr. to 3 Cr.) Projects	68. 55 Profitable Products from Agro & Other Industries Wastes
12. 10 Molasses Based Lucrative Projects	44. 30 Chemicals, Mechanicals, Packaging & Other Profitable Projects	69. 56 Agro Based & Food Processing Projects
13. 11 InfoTech/IT Lucrative Projects	45. 31 Essential Oils, Perfumes, Flavours & Aromatic Perfumery	70. 57 Small Scale 50 Lacs to 1 Crore Investment Projects
14. 11 Solar & Solar Based Products	46. 31 Profitable Plantation, Cultivation and Farming Projects	71. 63 Multi Crores Profitable Project (2 Cr. to Rs. 2500 Cr.)
15. 12 Mosquitoes Preventive Projects	47. 33 Sweets, Namkeen, Snacks etc.	72. 63 Packaging & Allied Projects
16. 13 Fish Farming & Fishery Projects	48. 35 Gums, Adhesives & Resins Projects	73. 67 Rubber & Rubber Goods Industry
17. 14 Potato & Potato based Projects	49. 35 Profitable New Industries	74. 75 Entertainment, Infotech, Educational, Management
18. 14 Roasted/Salted Cashew Nuts, Almonds, Namkeens, Spices	50. 36 Printing & Allied Projects	75. 83 Exports Oriented Units Projects
19. 15 Profitable 1 to 1.5 Cr. Projects	51. 37 Aluminium & Aluminium Industry	76. 92 New Lucrative Projects
20. 16 Multi Crores Profitable Projects (Above 50 Cr Projects)	52. 38 Biofertilizer, Biofuel, Enzyme, Organic Farming & Manure, Protein & Allied Lucrative Projects	77. 99 Printing & Packaging Projects
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32. 24 Fruits/Veg. and Allied Food Dehydration Projects		

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