

HI-TECH PROJECTS

(An Industrial Monthly Magazine on New Project Opportunities and Industrial Technologies)

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JUST PREPARED NEW PROJECTS FOR YOU

uPVC PIPES AND FITTING [EIRI-1623]

uPVC (unplasticized polyvinylchloride) pipes and fittings exhibit excellent resistance to aggressive environments both naturally occurring and as a result of industrial activity. They are resistant to almost all types of corrosion, either chemical or electrochemical in nature. Since uPVC is a non-conductor, galvanic and electro chemical effects do not occur in uPVC pipes. Due to its non-metallic nature, the material used is totally resistant to all forms of metallic corrosion. Aggressive water resulting from high sulphate soils and low hardness water will not attack uPVC pipes.

Cost Estimation

Plant Capacity	10 MT/Day
Land & Building (10,000 sq.mt.)	Rs. 14.17 Cr.
Plant & Machinery	Rs. 1.77 Cr.
W.C. for 2 Months	Rs. 4.56 Cr.
Total Capital Investment	Rs. 2.95 Cr.
Rate of Return	13%
Break Even Point	64%

LAUNDRY & DRY CLEANERS [EIRI-1622]

Dry-cleaning and Laundry business is profitable business now-a-days because in today's modern life, no one has got the time to wash and clean their own clothes and apart from these, there are many other reasons that rich people are more prefer to wash and clean their expensive Sarees, Trousers, Skirts, Shirts, Frocks and especially Silk Sarees and Dress materials through the Dry Cleaners only. Laundry work is very well known process of cleaning all types of linens, clothing & carpets etc. Working conditions are not likely to be ideal, but much can be done to overcome drawbacks and inconvenience by orderly arrangement, and sometimes by structural improvements.

Cost Estimation

Plant Capacity	3000 Kgs/Day
Land & Building (1000 sq.mt.)	Rented
Plant & Machinery	Rs. 90 Lacs
W.C. for 2 Months	Rs. 26 Cr.
Total Capital Investment	Rs. 1.74 Cr.
Rate of Return	27%
Break Even Point	63%

COTTON (RUI) FROM WASTE COTTON CLOTH [EIRI-1621]

The original of the cotton textile industry, the largest single industry in the country. In India, cotton has had a pride of place among cash crops from the earliest times. At present, the area under cotton crop is over 8 million hectares. Cotton can be recycled from pre-consumer (post-industrial) and post-consumer cotton waste. Pre-consumer waste comes from any excess material produced during the production of yarn, fabrics and textile products, e.g. selvaage from weaving and fabric from factory cutting rooms. Post-consumer waste

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comes from discarded textile products, e.g. used apparel and home textiles. During the recycling process, the cotton waste is first sorted by type and color and then processed through stripping machines that first breaks the yarns and fabric into smaller pieces before pulling them apart into fiber. The mix is carded several times in order to clean and mix the fibers before they are spun into new yarns.

Cost Estimation

Plant Capacity	2400 Kgs/Day
Land & Building (1000 sq.mt.)	Rs. 1.43 Cr.
Plant & Machinery	Rs. 50 Lacs
W.C. for 1 Months	Rs. 24 Lacs
Total Capital Investment	Rs. 2.27 Cr.
Rate of Return	30%
Break Even Point	53%

KHANDSARI SUGAR [EIRI-1620]

The first traceable reference about the sugar Industry in India by an easterner in from Megasthenes. In kuang-kumfang-Pu, it is stated that the Chinese Emperor Tai-Toung (A.D.627-650) sent a mission to Magadh (Patna) to learn the technique of sugar manufacture. The Indian sugar was exported as early as in 15th century.

Cost Estimation

Plant Capacity	500 TCD/Day
Land & Building (Area 5 Acres)	Rs. 10.90 Cr.
Plant & Machinery	Rs. 9.78 Cr.
Total Capital Investment	Rs. 29.18 Cr.
Rate of Return	24%
Break Even Point	52%

SURGICAL METHYLATED SPIRIT [EIRI-1619]

The most widely used antiseptics and disinfectants are alcohols, chlorine containing compounds, elemental and organic iodine preparations, inorganic and organic mercurials, inorganic and organic preparations of silver, quaternary ammonium compounds, phenolic compounds, boric acid and other borates, oxidising agents and aldehyde derivatives. The aliphatic alcohols have varying degrees of antiseptic and disinfecting activity. Those most widely used are ethyl and isopropyl alcohol.

Cost Estimation

Plant Capacity	10,000 Ltrs/Day
Land & Building (2500 sq.mt.)	Rs. 3.48 Cr.
Plant & Machinery	Rs. 1.50 Cr.
Total Capital Investment	Rs. 6.16 Cr.
Rate of Return	23%
Break Even Point	55%

METALLIC STEARATE [EIRI-1618]

Stearates of aluminium, calcium, magnesium, and zinc are known as driers and metallic soaps. It has long been established that the metal or cation of the metallic soap is the active principle which accelerates the oxidation and polymerization reactions associated with the drying of oils. As many as twenty four metals are known to have activity, but the soaps of cobalt, manganese, lead, iron, calcium, zinc and zirconium account for the major share of

present-day-use.

Cost Estimation

Plant Capacity	2 Ton/Day
Land & Building (Area 600 sq.mt.)	Rs. 92 Lacs
Plant & Machinery	Rs. 18 Lacs
Total Capital Investment	Rs. 1.95 Cr.
Rate of Return	29%
Break Even Point	52%

NEWSPAPER PRINTING [EIRI-1617]

A newspaper press is defined as one where at least one periodical is printed. In addition, this press is owned by the newspaper itself. A commercial press printing a newspaper is defined as a commercial press and not a newspaper - press.

Cost Estimation

Plant Capacity	2,40,000 Copies/Day
Land & Building (1000 sq.mt.)	Rs. 1.75 Cr.
Plant & Machinery	Rs. 83 Lacs
W.C. for 3 Months	Rs. 2.09 Cr.
Total Capital Investment	Rs. 4.77 Cr.
Rate of Return	29%
Break Even Point	46%

COLOUR AND ADDITIVES MASTER BATCHES [EIRI-1616]

As the name Suggests the predispersed colors or color concentrates contain a high roportion (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.

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%

PAN MASALA AND GUTKHA [EIRI-1615]

Pan masala tobacco is the refined tobacco with 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 tobacco is chewed either with pan or directly without any other thing. Zarda of various grades, specified by different numbers, constitutes different proportions of zarda in tobacco.

Cost Estimation

Plant Capacity	450 Kgs/Day
Land & Building (Area 800 sq.mt.)	Rs. 81 Lacs
Plant & Machinery	Rs. 42 Lacs
W.C. for 3 Months	Rs. 2.21 Cr.
Total Capital Investment	Rs. 3.64 Cr.
Rate of Return	40%

24 SOAP AND DETERGENT PROJECTS (24 Project Reports in CD)

Top Industries to Start

01. DETERGENT POWDER (EXPORT ORIENTED UNIT)
02. DETERGENT WASHING POWDER (ARIEL TYPE)
03. DETERGENT PASTE (TEXTILE GRADE)
04. DETERGENT (ANIONIC)
05. DETERGENT CAKE & POWDER
06. (IDET 10) DETERGENT CONCENTRATE
07. LIQUID DETERGENTS FOR WOOL
08. LAUNDRY SOAP FROM SOAP FLAKES
09. LIQUID SOAP
10. LIQUID TOILET CLEANER (HARPIC TYPE)
11. METAL POLISH SOAP
12. NEROL LAUNDRY SOAP
13. NON-IONIC LIQUID DETERGENTS
14. PHENYL
15. SYNTHETIC DETERGENT (BLUE POWDER)
16. SCOURING POWDER CLEANING POWDER (VIM TYPE)
17. SCOURING BAR
18. SOAP COATED PAPER
19. SHAVING CREAM
20. TOILET SOAP INDUSTRY (SOAP FROM SOAP STOCK)
21. TOILET SOAP FROM SOAP NOODLES
22. ULTRA MARINE BLUE (LIQUID)
23. WASHING & LAUNDRY SOAP
24. ZEOLITE-A (FOR DETERGENT)

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

Price of this CD containing all above 24 Project Reports is **Rs. 30,338/-**. Payable fully in advance through Draft/M.O. in favour of **ENGINEERS INDIA RESEARCH INSTITUTE, DELHI**. Delivery within 1 day. (To Order please dial : 98114-37895).

BANANA AND ITS BY PRODUCTS [EIRI-1614]

Banana is basically a tropical crop, grows well in temperature range of 13°C-38°C with RH regime of 75-85%. In India this crop is being cultivated in climate ranging from humid tropical to dry mild subtropics through selection of appropriate varieties like Grandnaine. Chilling injury occurs at temperatures below 12°C. The normal growth of the banana begins at 18°C, reaches optimum at 27°C, then declines and comes to a halt at 38°C. Higher temperature causes sun scorching.

Cost Estimation

Plant Capacity 42.50 MT/Day
Land & Building (10,000 sq.mt.) Rs. 14.10 Cr.

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Plant & Machinery Rs. 6.78 Cr.
Total Capital Investment Rs. 23.83 Cr.
Rate of Return 69%
Break Even Point 28%

BANANA FIBRE EXTRACTION AND HAND MADE PAPER [EIRI-1613]

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 NRCB (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 & hence it is also known popularly as Manila Hemp.

Cost Estimation

Plant Capacity 3 Ton/Day
Land & Building (2000 sq.mt.) Rs. 2.65 Cr.
Plant & Machinery Rs. 55 Lacs
W.C. for 3 Months Rs. 62 Lacs
Total Capital Investment Rs. 3.91 Cr.
Rate of Return 50%
Break Even Point 38%

HOT DIP GALVANIZING PLANT FOR STRUCTURAL STEEL AND PIPES [EIRI-1612]

Batch hot-dip galvanizing, also known as general galvanizing, produces a zinc coating by completely immersing the steel product in a bath (kettle) of molten zinc. Prior to immersion in the zinc bath, the steel is chemically cleaned to remove all oils, greases, soil, mill scale and oxides. Surface preparation is critical as zinc will not react with unclean steel. After surface preparation, the steel is immersed in the molten (830F) zinc bath.

Cost Estimation

Plant Capacity 10 MT/Day
Land & Building (600 sq.mt.) Rs. 61 Lacs
Plant & Machinery Rs. 24 Lacs
Total Capital Investment Rs. 1.15 Cr.
Rate of Return 47%
Break Even Point 55%

P.V.C. COMPOUNDING (FRESH) FOR CABLES AND PVC PIPES [EIRI-1611]

Indian plastics industry is one of the largest in the Asian Region. It had a modest beginning in the late twenties when articles like combs, soap boxes, ash trays etc. began to be manufactured in the country from imported raw materials. Three are about fifty materials identified as plastics & the list is being extended continuously. Plastics are classified as thermoplastics and thermo sets on the basis of the polymerization method adopted to produce the basic plastic material as on the basis of the primary raw materials source.

Cost Estimation

Plant Capacity 120 MT/Day
Land & Building (3.8 Acres) Rs. 3.75 Cr.
Plant & Machinery Rs. 25.50 Cr.
Total Capital Investment Rs. 48.61 Cr.
Rate of Return 42%
Break Even Point 43%

BABY CEREAL FOOD & MILK POWDERS (BABY FOOD PRODUCTS) [EIRI-1610]

The Baby-cereal-foods is that enriched food which has a requisite level of nutrition. This requisite level is prescribed by various dieticians & physicians for children. Various experts fixed a definite calorific value for infant food & based on this the various mixtures or formulae of foods are developed. This formula of infant food contains essential amino-acids, fats, proteins, vitamins & other essential minerals etc. which are necessary for the normal growth of child. Food products are derived from single grains or blends of mixed grains combined with other ingredients for flavour and nutritional fortification.

Cost Estimation

Plant Capacity 7 MT/Day
Land & Building (15,000 sq.mt.) Rs. 16.88 Cr.
Plant & Machinery Rs. 2.57 Cr.
W.C. for 3 Months Rs. 11 Cr.
Total Capital Investment Rs. 31 Cr.
Rate of Return 29%
Break Even Point 42%

M.S. FASTENERS AND S.S. FASTENERS [EIRI-1609]

Nuts and Bolts are most commonly used items in the family of industrial fasteners and their demand is fast increasing due to expansion of industries in the country. Bolt is a piece of metal rod whose one end is upset and at the other end threading is done. Nut is a device which rolls on bolt threads.

Cost Estimation

Plant Capacity 3 MT/Day
Land & Building (600 sq.mt.) Rs. 83 Lacs
Plant & Machinery Rs. 75 Lacs
W.C. for 1 Months Rs. 1.06 Cr.
Total Capital Investment Rs. 2.76 Cr.
Rate of Return 46%
Break Even Point 43%

MINERAL TURPENTINE OIL (M.T.O) FROM PETROLEUM (SUPERIOR KEROSENE OIL OR OTHER MATERIAL) [EIRI-1608]

Mineral turpentine, also known as turpentine substitute, turps substitute, or just turps is an inexpensive petroleum-based replacement for the vegetable-based turpentine.

Cost Estimation

Plant Capacity 2 MT/Day
Land & Building (700 sq.mt.) Rs. 96 Lacs
Plant & Machinery Rs. 12 Lacs
Total Capital Investment Rs. 1.61 Cr.
Rate of Return 18%
Break Even Point 61%

Start Your Own Industry

43 **AUTOMOBILE PARTS, GEARS, POLISH, PETROL PUMP, COMPONENTS, SERVICE STATION & OTHER ACCESSORIES PROJECTS**
(43 Project Reports in CD)

BARLEY MALT [EIRI-1607]

Malt is germinated cereal grains that have been dried in a process known as "malting". The grains are made to germinate by soaking in water, and are then halted from germinating further by drying with hot air. Malting grains develops the enzymes required to modify the grain's starches into sugars, including the monosaccharide glucose, the disaccharide maltose, the trisaccharide maltotriose, and higher sugars called maltodextrines. It also develops other enzymes, such as proteases, which break down the proteins in the grain into forms that can be used by yeast.

Cost Estimation

Plant Capacity	50 MT./Day
Land & Building (2.5 Acres)	Rs. 5.77 Cr.
Plant & Machinery	Rs. 10 Cr.
W.C. for 1 Months	Rs. 2.71 Cr.
Total Capital Investment	Rs. 19.33 Cr.
Rate of Return	23%
Break Even Point	60%

ORTHOPAEDIC IMPLANTS AND INSTRUMENTS [EIRI-1606]

Orthopedic implants can be defined as medical devices used to replace or provide fixation of bone or to replace articulating surfaces of a joint. In simpler words, orthopedic implants are used to replace damaged or troubled joints. The implant surgeries are performed only by highly specialized and trained surgeons. The surgical procedures for each implant involves removal of the damaged joint and an artificial prosthesis replacement.

Cost Estimation

Land & Building (1000 sq.mt.)	Rs. 3.25 Cr.
Plant & Machinery	Rs. 7.82 Cr.
W.C. for 3 Months	Rs. 1.24 Cr.
Total Capital Investment	Rs. 13.07 Cr.
Rate of Return	26%
Break Even Point	56%

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)

[EIRI-1605]

Starch is an abundant carbohydrate distributed worldwide in plants. Starch has been a major ingredient in man's diet over the centuries. Maize starch is produced by the wet milling process, which involves grinding of softened maize and separation of corn oil seeds (germs), gluten (proteins), fibers (husk) and finally pure starch.

Cost Estimation

Plant Capacity	300 Tons
Land & Building (20 Acres)	Rs. 21.88 Cr.
Plant & Machinery	Rs. 64.55 Cr.
W.C. for 2 Months	Rs. 26.08 Cr.
Total Capital Investment	Rs. 113.91 Cr.
Rate of Return	58%
Break Even Point	34%

TMT STEEL BARS [EIRI-1604]

Thermo mechanically treated (TMT) steel, can be described as a new-generation-high-strength steel having superior properties such as weldability, strength, ductility and tensility, which meet the highest international quality standards. Under thermo mechanical treatment (TMT), the steel bars are passed through a specially designed water-cooling system where they are kept till the outer surface of the bars becomes colder while the core remains hot. This creates a temperature gradient in the bars. When the bars are taken out of the cooling system, the heat flows from the core to the outer surface, further tempering of the bars, which helps them attain a higher yield strength. The resulting heat-treated structure imparts superior strength and toughness to the bars. The microstructure of the core is a very fine-grained ferrite and pearlite. TMT bars are also known as 'quenched and tempered rebars' because of the quenching and tempering processes involved in making the bars. The production of quality TMT bar depends on three major factors - quality raw materials, a properly designed and automated mill and a well-designed quenching and tempering technology. All rebars must be purchased based on the properties of yield strength, tensile strength and elongation values.

Cost Estimation

Plant Capacity	100 MT./Day
Land & Building (3 Acres)	Rs. 3.18 Cr.
Plant & Machinery	Rs. 7.18 Cr.
W.C. for 1 Months	Rs. 9.10 Cr.
Total Capital Investment	Rs. 20.61 Cr.
Rate of Return	51%
Break Even Point	48%

CHELATED ZINC (ZN-EDTA) (12%) [EIRI-1603]

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	1.50 MT./Day
Land & Building (1000 sq.mt.)	Rs. 1.52 Cr.
Plant & Machinery	Rs. 50 Lacs
W.C. for 1 Months	Rs. 70 Lacs
Total Capital Investment	Rs. 2.82 Cr.
Rate of Return	19%
Break Even Point	60%

1. AUTO BULBS/LAMPS
2. AUTO CLUTCH PLATE
3. AUTO CABLES
4. AUTO PISTONS
5. AUTO VEHICLES BODY BUILDING AND SERVICING
6. AUTO BRAKES SYSTEM
7. AUTO TUBES
8. AUTO RUBBER MOULDING PARTS & STEEL JACKS
9. AUTO HEAD LIGHT
10. AUTO ELECTRICAL PARTS (ARMATURE)
11. AUTOMOBILE GEARS
12. AUTOMOBILE PARTS
13. AUTOMOBILE PAINTS
14. AUTOMOBILE SERVICE STATION
15. AUTOMOBILE POLISH
16. AUTOMOBILE INJECTION MOULDED PLASTIC COMPONENTS
17. AUTOMOBILE PISTON RINGS
18. BATTERY PLATES
19. C.N.G KIT FOR AUTOMOBILE
20. C.N.G. CYLINDER (COMPRESSED NATURAL GAS)
21. CLUTCH PLATE FOR AUTOMOBILES
22. CRUDE OIL BLEACHING FOR PETROLEUM JELLY
23. DOOR VISORS FOR AUTO VEHICLES
24. ELECTRICAL HORN FOR AUTOMOBILE
25. IGNITION COIL FOR AUTOMOBILES
26. MUFFLER AND SILENCER FOR FOUR WHEELERS
27. N.C. THINNERS USED IN AUTO PARTS
28. PETROL PUMP WITH AUTOMOBILE WORKSHOP/GARAGE & SERVICE CENTRE
29. PISTON ASSEMBLY (ALUMINIUM ALLOY)
30. PVC BATTERY CONTAINERS MFG. AND ASSEMBLING OF LEAD-ACID STORAGE BATTERY
31. RUBBER AUTO PARTS
32. RUBBER POWDER
33. RUBBER AUTO GASKETS
34. RUBBER HOSES FOR AUTOMOBILES
35. STORAGE BATTERY
36. SOLUTION FOR STORAGE BATTERY
37. TIE - ROD ENDS
38. TYRE & TUBES
39. TOUGHENED GLASS
40. TYRE RETREADING BY COLD PROCESS
41. UJ-CROSS & KING PIN FOR AUTOMOBILE
42. V-BELTS
43. WHEEL RIMS (FOR CAR, MOTOR CYCLES, TRUCKS ETC.)

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COPPER SULPHATE FROM COPPER ASH/SCRAP [EIRI-1602]

Copper sulphate is a well known compound of copper. The commercial name of this compound is Blue Vitriol. Blue stone or chalcantihite. Copper sulphate is used in copper plating, as a mordant in dyeing, as a laboratory reagent, in electric batteries, in production of others salts, as germicide and insecticide in leather industry pulp in pigments in the preservation of wood, pulp and ground pulp in the process of engraving and lithography in ore flotation, destroying large and low roms of animal life from drinking water, in petroleum industry synthetic rubber, steel manufacture etc. Various forms of copper sulphate are available in the market are present. These forms are classified according to this water if crystallization of copper sulphate anhydrous copper sulphate is blue coloured powder. From commercial point of view copper sulphate has the great importance of all copper chemicals based on tonnage alone.

Cost Estimation

Plant Capacity	5 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.27 Cr.
Plant & Machinery	Rs. 49 Lacs
W.C. for 3 Months	Rs. 3.14 Cr.
Total Capital Investment	Rs. 5 Cr.
Rate of Return	46%
Break Even Point	35%

G.I.WIRE AND M.S.BINDING WIRE [EIRI-1601]

Mild Steel Galvanized steel wire popularly known as galvanized wire have extensive application in various field. It has got excellent demand in pre-stressed concrete product like railway sleeper, telegraph and telephone, electric pole etc. and also find ample application in pre-casted cement product like pipes, frames of door and windows etc. On the other hand it has its own market in the field of strands and also its domestic demand cannot be ignored. The M.S. Wire are drawn to required dia and then galvanized i.e. coating of zinc is employed on it, gives excellent anti corrosion property to steel wire. Barbed wire, fence wire usually consisting of two longitudinal wires twisted together to form cable and having wire barbs wound around either or both of the cable wires at regular intervals. The varieties of barbed wire are numerous, with cables being single or double, round, half-round, or flat and having a range of gauges.

Cost Estimation

Plant Capacity	8 MT./Day
Land & Building (4000 sq.mt.)	Rs. 2.38 Cr.
Plant & Machinery	Rs. 1.68 Cr.
W.C. for 2 Months	Rs. 2.59 Cr.
Total Capital Investment	Rs. 6.95 Cr.
Rate of Return	27%
Break Even Point	58%

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GREASE MANUFACTURING [EIRI-1600]

These consist of a dispersion of a metallic soap in a lubricating oil and vary from mobile ligands to hard solids. Sodium or Calcium soaps are more commonly employed but for special purposes aluminium or lithium soaps are used. Greases are used for lubricating bearings and other moving parts where lube oil would be unsuitable. Primary components of greases are mineral oils & soaps. The oil consists of varying proportions of paraffinic naphthenic and aromatic hydrocarbon. Soaps used in grease may be derived from animal or vegetable oils or fatty acids, wool grease, resin or petroleum acids. apart from this variety of other compounds are added to lubricating greases to improve specific properties such components are corrosion and rust inhibitor, and wear prevention agents. a grease thus produced is properly thicked in order that it remains in contact with the moving surfaces and does not leak out under pressure. Grease acts as a seal against dirt, dripping and spattering is eliminated, minimizes starting frictions.

Cost Estimation

Plant Capacity	1 MT./Day
Land & Building (1000 sq.mt.)	Rs. 1.50 Cr.
Plant & Machinery	Rs. 32 Lacs
W.C. for 3 Months	Rs. 55 Lacs
Total Capital Investment	Rs. 2.46 Cr.
Rate of Return	31%
Break Even Point	49%

G.I.WIRE AND BARBED WIRE [EIRI-1599]

Mild Steel Galvanized steel wire popularly known as galvanized wire have extensive application in various field. It has got excellent demand in pre-stressed concrete product like railway sleeper, telegraph and telephone, electric pole etc. and also find ample application in pre-casted cement product like pipes, frames of door and windows etc. On the other hand it has its own market in the field of strands and also its domestic demand cannot be ignored. The M.S. Wire are drawn to required dia and then galvanized i.e. coating of zinc is employed on it, gives excellent anti corrosion property to steel wire. Barbed wire, fence wire usually consisting of two longitudinal wires twisted together to form cable and having wire barbs wound around either or both of the cable wires at regular intervals. The varieties of barbed wire are numerous, with cables being single or double, round, half-round, or flat and having a range of gauges. The twisted double cable provides extra strength and permits contraction and expansion without breakage.

Cost Estimation

Plant Capacity	8 MT./Day
Land & Building (4000 sq.mt.)	Rs. 2.92 Cr.
Plant & Machinery	Rs. 1.39 Cr.
W.C. for 2 Months	Rs. 2.59 Cr.
Total Capital Investment	Rs. 7.20 Cr.
Rate of Return	22%
Break Even Point	62%

DIRECT FILLED BALL PEN (USE AND THROW) [EIRI-1556]

Direct Filled Ball Pens are manufactured generally from plastic in different varieties to cope with demand of different classes of people. Majority of people in India like medium variety Ball pen. Plastics are accepted by engineers as important new materials. These are derived from petroleum oil, salt, air and water during the last 5 to 10 year considerable progress has been made in plastic moulding and extrusion. The plastic which becomes soft when heated and harden when cooled are thermoplastics. Since they under go basic chemical change during forming.

Cost Estimation

Plant Capacity	30,000 Nos/Day
Land & Building (1000 sq.mt.)	Rs. 1.46 Cr.
Plant & Machinery	Rs. 69 Lacs
W.C. for 3 Months	Rs. 31 Lacs
Total Capital Investment	Rs. 2.56 Cr.
Rate of Return	18%
Break Even Point	64%

SOLVENT EXTRACTION AND OIL REFINERY CUM PACKAGING OF RICE BRAN OIL [EIRI-1555]

The structure of the rice kernel is illustrated in The bran fraction, which includes the germ or embryo in most commercial milling operations, represents only about 8% of paddy weight but contains about three-fourths of the total oil. Containing about 15-20% oil (the same general range of soybeans), rice bran is commercially feasible for oil extraction.

Cost Estimation

Plant Capacity	50 MT./Day
Land & Building (2 Acres)	Rs. 37 Lacs
Plant & Machinery	Rs. 1.35 Cr.
W.C. for 1 Months	Rs. 2.16 Cr.
Total Capital Investment	Rs. 4.09 Cr.
Rate of Return	78%
Break Even Point	32%

PETROL PUMP CUM MODERN AUTOMOBILE WORKSHOP SERVICE STATION WITH MODERN EQUIPMENTS AND COMPUTERISED MACHINE [EIRI-1554]

Petrol pump is small initiator of petrol industry or authorized agent of petrol to supply of petroleum product to the general people those are used L.C.V. and H.C.V. In petrol pump there is also repairing and maintenance work is going on. Petrol pump is the procedure of agency from Indian oil corporation Ltd., or Bharat Petroleum refinery limited or any other refinery agency.

Cost Estimation

Land & Building (8000 sq.mt.)	Rs. 5.52 Cr.
Plant & Machinery	Rs. 1.23 Cr.
Total Capital Investment	Rs. 8.72 Cr.
Rate of Return	14%
Break Even Point	65%

Top Industries to Start

DISPOSABLE SYRINGES & NEEDLE PLANT (SINGLE USE SYRINGES, SINGLE USE NEEDLES & AS SYRINGES)

[EIRI-1553]

Disposable Plastic Syringes are being used by doctors to inject medicines through Intravenous or intramuscular ways for the treatment of diseases & also by research & development personnel. Disposable syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the age old glass syringes. Moreover, the horror of AIDS worldwide has almost dispensed with the reuse of syringes and the demand of disposable syringes has increased phenomenally. Disposable syringes are mostly injection moulded from polypropylene. Syringes are available in sizes of 1 ml, 2 ml, 5ml and 10ml, 50ml in a variety of designs and consist of either two or three components construction.

Cost Estimation

Cap. 8,75,000 Nos. Syringes (2ml-5ml)/Month	
3,75,000 Nos. Syringes (20-30ml)/Month	
2,50,000 Nos. Dis. Needle/Month	
Land & Building (1500 sq.mt.)	Rs. 2.12 Cr.
Plant & Machinery	Rs. 1.62 Cr.
W.C. for 3 Months	Rs. 1.60 Cr.
Total Capital Investment	Rs. 5.57 Cr.
Rate of Return	22%
Break Even Point	62%

P.V.C. BATTERY SEPARATOR

[EIRI-1552]

Amongst the various systems and devices that are available for converting electrical energy to some form of storage energy for reconversion to electrical energy, lead storage battery is the most effective system available. The use of storage batteries is far and wide, and mainly in the field of automobile, telephone exchange, submarines, aircrafts etc. Before 1946, most separators used in storage batteries were of wood and since then, these have been replaced either by PVC or microporous rubber which are highly suitable. Sintered microporous PVC battery separators are the separators used in the storage batteries all over the world for enhancing the life and quality of the battery. The function of a separator is to isolate the positive and negative plates in a battery by providing a perfect insulation, these preventing short circuit in them. At the same time the separators function as a permeable membrane so as to effect circulation of the electrolytes for the chemical reactions and free ionic flow.

Cost Estimation

Plant Capacity	50,000 Nos/Day
Land & Building (1500 sq.mt.)	Rs. 1.29 Cr.
Plant & Machinery	Rs. 60 Lacs
W.C. for 2 Months	Rs. 51 Lacs
Total Capital Investment	Rs. 2.71 Cr.
Rate of Return	31%
Break Even Point	57%

GLASS BOTTLE FOR BEER AND BEER MUG (TUMBLER)

[EIRI-1551]

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.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (6000 sq.mt.)	Rs. 8.05 Cr.
Plant & Machinery	Rs. 3.16 Cr.
W.C. for 3 Months	Rs. 2.31 Cr.
Total Capital Investment	Rs. 13.93 Cr.
Rate of Return	32%
Break Even Point	49%

ALUMINIUM ALLOY PLANT

[EIRI-1550]

Aluminium alloys are alloys in which aluminium (Al) is the predominant metal. The typical alloying elements are copper, magnesium, manganese, silicon and zinc. There are two principal classifications, namely casting alloys and wrought alloys, both of which are further subdivided into the categories heat-treatable and non-heat-treatable. About 85% of aluminium is used for wrought products, for example rolled plate, foils and extrusions. Cast aluminium alloys yield cost-effective products due to the low melting point, although they generally have lower tensile strengths than wrought alloys.

Cost Estimation

Plant Capacity	100 MT./Day
Land & Building (2500 sq.mt.)	US\$ 3.24 Th.
Plant & Machinery	US\$ 3.44 Th.
W.C. for 2 Months	US\$ 1.03 Cr.
Total Capital Investment	US\$ 1.10 Cr.
Rate of Return	101%
Break Even Point	20%

KRAFT PAPER USING WASTE PAPER & OLD CORRUGATED

CARTONS [EIRI-1549]

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 disintegration of the bulky fibrous material to individual or small agglomerate fibres.

Cost Estimation (Rupees in Lacs)

Plant Capacity	100 MT/Day
Land & Building (16 Acres)	Rs. 3,195 Lacs
Plant & Machinery	Rs. 5,100 Lacs
W.C. for 3 Months	Rs. 2,442 Lacs
Total Capital Investment	Rs. 11,051 Lacs
Rate of Return	36%
Break Even Point	49%

WALNUT PROCESSING PLANT

[EIRI-1548]

A walnut is an edible seed of any tree of the genus Juglans, especially the Persian alnut, Juglans regia. Broken nutmeats of the eastern black walnut, from the tree Juglans nigra, are also commercially available in small quantities, as are foods prepared with butternut nutmeats. Walnut seeds are high density source of nutrients, particularly proteins and essential fatty acids. Walnut seeds, like other tree nuts, must be processed and stored properly. Poor storage makes walnut seeds susceptible to insect and fungal mold infestations; the latter produces aflatoxin - a potent carcinogen. Mold infested walnut seed batch should not be screened then consumed; the entire batch should be discarded. In certain parts of the world, walnuts are locally known as walnsse, noix, nuz, nuc, akhar, kurumi.

Cost Estimation

Plant Capacity	15 Tons/Day
Land & Building (2 Acres)	Rs. 2.10 Cr.
Plant & Machinery	Rs. 2.31 Cr.
W.C. for 1 Months	Rs. 19.53 Cr.
Total Capital Investment	Rs. 24.31 Cr.
Rate of Return	57%
Break Even Point	28%

SOY AND GLUTEN BASED

MOCK MEAT

[EIRI-1547]

Golden palaces of mock meat. Most towns have one; if you don't know where it is, ask your local vegan or vegetarian. Staples in many vegetarian and vegan diets, meat analogs are food products that look, feel and taste like meat from an animal. Analogs blend plant-based proteins with flavoring, fat and coloring to replicate beef, poultry or seafood, and in some cases are used as filler in meat. These meatless morsels are often made of wheat gluten (also called seitan). Gluten is the protein produced when combining wheat's two major proteins, gliadin and gluten in, with water or milk through the process of kneading.

Cost Estimation

Plant Capacity	5 Tons/Day
Land & Building (Area 1.5 Acre)	Rs. 3.90 Cr.
Plant & Machinery	Rs. 7.80 Cr.
W.C. for 1 Months	Rs. 2.36 Cr.
Total Capital Investment	Rs. 14.53 Cr.
Rate of Return	57%
Break Even Point	37%

Best Industries to Start and Grow

STAINLESS STEEL SINKS [EIRI-1546]

Stainless Steel Kitchen Sinks as the name suggests are made of stainless steel. Sinks are the vessels used in houses and hotels, restaurants for cleaning dirty utensils, used for cooking, serving tea and coffee etc. and eating meals, break fasts, refreshments need to be anti-rust and strong, and hence made of stainless steel. The sinks are used where the utensils carry lot of fat and other stick substances on the surfaces and require full dealing with detergents.

Cost Estimation

Plant Capacity	200 Nos/Day
Land & Building (450 sq.mt.)	Rs. 74 Lacs
Plant & Machinery	Rs. 52 Lacs
W.C. for 2 Months	Rs. 2.09 Cr.
Total Capital Investment	Rs. 3.54 Cr.
Rate of Return	38%
Break Even Point	51%

FASTENERS (NUTS & BOLTS) USED IN OIL AND GAS [EIRI-1545]

Nuts and Bolts are most commonly used items in the family of industrial fasteners and their demand is fast increasing due to expansion of industries in the country. Bolt is a piece of metal rod whose one end is upset and at the other end threading is done. Nut is a device which rolls on bolt threads. In nuts, internal threading is done while bolts bear external thread. Screw, demonstrate their true merit in the movements, assembly etc, of wooden components. Screws are most popular as fasteners which assemble, or join parts together to be made into a complete unit. Nuts and Bolts are available in various sizes and shapes.

Cost Estimation

Plant Capacity	13.33 MT./Day
Land & Building (4000 sq.mt.)	US\$ 2.18 Lacs
Plant & Machinery	US\$ 3.45 Lacs
W.C. for 2 Months	US\$ 6.84 Lacs
Total Capital Investment	Rs. 13.10 Lacs
Rate of Return	76%
Break Even Point	43%

CURCUMIN & TURMERIC OIL FROM TURMERIC [EIRI-1049]

Turmeric (*Curcuma longa*) is a native of Asia & India. The tuberous rhizome or underground stem of turmeric are used from antiquity as condiments. A dye and as an aromatic stimulants in several medicines.

Cost Estimation

Plant Capacity	500 KGS/Day
Land & Building (4000 sq.mt.)	Rs. 3.13 Cr.
Plant & Machinery	Rs. 3.13 Cr.
W.C. for 3 Months	Rs. 10.75 Cr.
Total Capital Investment	Rs. 17.42 Cr.
Rate of Return	71%

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CASTOR OIL DERIVATIVE OLEO RESIN [EIRI-1068]

Castor oil obtained by a combination of pressing and extraction from the seeds of the castor oil plant (*Ricinus communis*) consists of upto 90% of triglyceride of ricinoleic acid, 12 hydroxy oleic acid. The hydroxyl number of castor oil is 161-169. The component glycerides of castor oil (%mole) comprise saturated-diricinoleins (7.3%) oleo-diricinoleins (2.5%) Linoleo diricinoleins (13.4%), Dihydroxy Stearo diricinoldins (2%) Triricinolein (74.8%). More important the non-drying ricinoleic acid in the castor oil can be dehydrated to give a drying oil i.e. dehydrated castor oil. This drying oil is formed by heating castor oil under reduced pressure of 240-260°C in the presence of 0.1-0.2 wt.% of an acid catalyst e.g. H₂SO₄, phosphoric acid, or acidic salts with the elimination of water from ricinoleic acid, yielding a mixture of 9,11 and 9,12 octadecadienoic acids, called dehydrated castor oil acid.

Cost Estimation

Plant Capacity	20 MT./Day
Land & Building (3000 sq.mt.)	Rs. 1.96 Cr.
Plant & Machinery	Rs. 88 Lacs
W.C. for 2 Months	Rs. 7.61 Cr.
Total Capital Investment	Rs. 10.66 Cr.
Rate of Return	76%
Break Even Point	25%

TURMERIC OIL EXTRACTION FROM DRY TURMERIC [EIRI-1153]

The main products in a spice oleoresin plant are oleoresins of chilli, pepper, ginger and turmeric. The co-products are corresponding spice oils, which are widely used in food and pharmaceutical industries. Spent meals of spice powders after oleoresin extraction are by-products and are devoid of essential oils, pungent principles, fixed oils and resinous matter for which the spices are valued. This may be considered for incorporation in animal feed formulations, as spent meal is rich in carbohydrate and cellulose.

Cost Estimation

Plant Capacity	150 KGS/Day
Land & Building (1000 sq.mt.)	Rs. 1.10 Cr.
Plant & Machinery	Rs. 64 Lacs
W.C. for 2 Months	Rs. 1.30 Cr.
Total Capital Investment	Rs. 3.19 Cr.
Rate of Return	36%
Break Even Point	47%

COLD STORAGE (CONTROLLED ATMOSPHERE OR CA) FOR POTATO CAP: 1,00,000 BAGS (50 Kg/Bag) STORING CAPACITY:5000 MT. [EIRI-1163]

Cost Estimation

Plant Capacity	5000 MT./Day
Land & Building (9000 sq.mt.)	Rs. 2.53 Cr.
Plant & Machinery	Rs. 3.26 Cr.
Total Capital Investment	Rs. 6.02 Cr.
Rate of Return	12%

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Start Your Own Industry

UPVC DOORS & WINDOWS FABRICATING PLANT (FIXING AND INSTALLATION OF DOORS AND WINDOWS OF UPVC PROFILES) [EIRI-1245]

PVC was produced for the first time in 1935 and has been industrially manufactured in large quantities for over 50 years. It has been developed into a material that can offer a wider range of properties and therefore has many different applications. The production process starts with sodium chloride, (common salt) from which chlorine gas is obtained by electrolysis. Petroleum or natural gas is used to produce ethylene, one of many products of the process known as cracking. Bringing together chlorine and ethylene, liquid vinyl chloride (VC) is produced which is immediately changed in the process by polymerisation into polyvinyl chloride.

Cost Estimation

Plant Capacity	2000 sq.mt./Day
Land & Building (4000 sq.mt.)	Rs. 1.75 Cr.
Plant & Machinery	Rs. 89 Lacs
W.C. for 1 Months	Rs. 2.07 Cr.
Total Capital Investment	Rs. 4.96 Cr.
Rate of Return	79%
Break Even Point	30%

PLASTICIZERS [EIRI-1230]

Plasticizers (UK = plasticisers) or dispersants are additives that increase the plasticity or fluidity of a material. The dominant applications are for plastics, especially polyvinyl chloride (PVC). The properties of other materials are also improved when blended with plasticizers including concrete, clays, and related products. The worldwide market for plasticizers in 2000 was estimated to be several million tons per year. Throughout the period from 1970 to 1995, the worldwide plasticizer markets grew at rates above the various GNPs; however this trend has started to decrease in North America and in Europe. In recent years, the average growth rate in those regions has ranged between 2 and 3%, with projected growth rate of 1-2%.

Cost Estimation

Plant Capacity	20 Ton/Day
Land & Building (10,000 sq.mt.)	Rs. 11.28 Cr.
Plant & Machinery	Rs. 3.41 Cr.
W.C. for 3 Months	Rs. 27.26 Cr.
Total Capital Investment	Rs. 42.86 Cr.
Rate of Return	21%
Break Even Point	61%

LIQUID GLUCOSE FROM POTATOES [EIRI-1530]

Potato is widely consumed as food all over the world. It contains the starch as a major carbohydrate. Surplus and cull potatoes are used as feed for live stock and also as raw material for the manufacture of starch, ethyl alcohol and a few other industrial products like,

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dextrose, liquid Glucose etc. The potato contains approximately 18-21% of carbohydrates. The major carbohydrate is starch. This starch is comprising 65-80% of the dry weight of the tuber is calorifically the most important nutritional component. In the raw tuber, it is present as microscopic granules in levcoplasts lining the interior cell walls of parenchyma tissue.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (5 Acres)	Rs. 3.39 Cr.
Plant & Machinery	Rs. 8.05 Cr.
W.C. for 2 Months	Rs. 2.12 Cr.
Total Capital Investment	Rs. 14.18 Cr.
Rate of Return	18%
Break Even Point	69%

LIQUID GLUCOSE AND MALTO DEXTRIN FROM BROKEN RICE [EIRI-1516]

Starch is a group of polysaccharides, composed of glucopyranose units joined together by glucosidic linkages. It conforms to the molecular formula, (C₆H₁₀O₅)_n, where n varies from a few hundred to over one million. Starch is found as the reserve carbohydrate in various parts of plants and is enzymatically broken down to glucose to other carbohydrates according to the metabolic needs of the plants. Industrially, starch is broadly divided into two types viz, natural and modified. Natural starches, also designated as unmodified starches or simply starches, are obtained from grains such as and sorghum, from roots like potato, tapioca and arrow root, and from the pith of the stems of certain palms such a sago.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (16'000 sq.mt.)	Rs. 13.47 Cr.
Plant & Machinery	Rs. 4.60 Cr.
Total Capital Investment	Rs. 24.43 Cr.
Rate of Return	36%
Break Even Point	47%

MINI FLOUR MILL

(ATTA, MAIDA, SUJI) [EIRI-1511]

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	40 MT./Day
Land & Building (2000 sq.mt.)	Rs. 2.55 Cr.
Plant & Machinery	Rs. 57 Cr.
Total Capital Investment	Rs. 5.39 Cr.
Rate of Return	41%
Break Even Point	42%

DRY WALL PUTTY (WHITE CEMENT BASED) [EIRI-1475]

White cement based Wall Putty a plastering material to fill the holes and patches before paint primer or distemper. In general, fillers & stoppers are paste-like materials, highly pigmented, used to fill surface imperfections (fillers) and to make good gross surface defects prior to painting operations (stoppers). Caulking compounds, putties and same cements have a boiled drying oil, usually combine with resins that act as the binder putty is the thick mixture of finely powdered calcium carbonate (whiting) and acid refined linseed oil which imparts good wetting and grinding characteristics.

Cost Estimation

Plant Capacity	100 Ton./Day
Land & Building (1200 sq.mt.)	Rs. 1.20 Cr.
Plant & Machinery	Rs. 79 Cr.
W.C. for 1 Months	Rs. 4.25 Cr.
Total Capital Investment	Rs. 6.44 Cr.
Rate of Return	29%
Break Even Point	62%

CATHETERS MANUFACTURING [EIRI-1490]

A catheter is a flexible tube made of latex, silicone, or Teflon that can be inserted into the body creating a channel for the passage of fluid or the entry of a medical device. For many years the epidermal catheters used were plain tubes made of available industrial compounds, and design was largely based on current need. Catheters are designed to perform tissue ablation (tissue removal) and even serve as conduits for thermal, optics, and various medical devices.

Cost Estimation

Plant Capacity	2000 Tubes/Day
Land & Building (Area 1 Acre)	Rs. 2.03 Cr.
Plant & Machinery	Rs. 3.73 Cr.
W.C. for 1 Months	Rs. 1.13 Cr.
Total Capital Investment	Rs. 8.27 Cr.
Rate of Return	18%
Break Even Point	69%

HDPE, PVC, LLDPE PIPES/ TUBES & FITTING [EIRI-1497]

PVC is a thermosetting plastic. In other words, it can only be softened and molded into form once. If it is softened and remolded a second time it will lose some of its favorable characteristics. PVC is very corrosion resistant. It is not a conductor and will not have an electrochemical reaction with acids and bases that it comes in contact with. For this reason, PVC is sometimes used to coat other materials for protection. PVC also has a high chemical resistance.

Cost Estimation

Plant Capacity	5 MT./Day
Land & Building (75,000 sq.ft.)	Rs. 6.17 Cr.
Plant & Machinery	Rs. 1.38 Cr.
W.C. for 1 Months	Rs. 95 Lacs
Total Capital Investment	Rs. 8.67 Cr.
Rate of Return	25%
Break Even Point	56%

Top Industries to Start

BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS)

[EIRI-1483]

The technology development in agriculture is very fast, it results in developing Tissue Culture Technique. Banana is basically a tropical crop, grows well in temperature range of 13:C - 38:C with RH regime of 75-85%. In India this crop is being cultivated in climate ranging from humid tropical to dry mild subtropics through selection of appropriate varieties like Grandnaine. Chilling injury occurs at temperatures below 12:C. The normal growth of the banana begins at 18:C, reaches optimum at 27:C, then declines and comes to a halt at 38:C. Higher temperature causes sun scorching.

Cost Estimation

Plant Capacity	2.50 Ton./Day
Land & Building (2000 sq.mt.)	Rs. 88 Lacs
Plant & Machinery	Rs. 63 Lacs
W.C. for 2 Months	Rs. 1.02 Cr.
Total Capital Investment	Rs. 2.64 Cr.
Rate of Return	31%
Break Even Point	54%

BOTTLING PLANT (COUNTRY LIQUOR)

[EIRI-1233]

There are nevertheless several very early references which can be taken to indicate that a potable spirit (like country liquor) was known many thousands of years ago. The earliest regarding excessive consumption of potable distilled spirit, i.e. country liquor and other products, appear to have come from China, some 1000 years B.C. Aristotle later mentions purifying sea water by evaporation, and also "wine which produces a spirit". For centuries the art of distilling remained firmly in the hands of alchemists. Herbs had long been thought to cure various maladies, agriurduly for Jaundice, fox glore, for blisters and it would seem that the alchemists argued that, if the juice of one of these herbs could be, say, quadrupled in strength, then the efficiency of cure would be multiplied four fold. The alchemists were responsible for many improvements in the art of distilling.

Cost Estimation

Plant Capacity	10000 Ltrs./Day
Land & Building (1.52 Acres)	Rs. 2.11 Cr.
Plant & Machinery	Rs. 1.20 Cr.
W.C. for 1 Months	Rs. 1.31 Cr.
Total Capital Investment	Rs. 4.89 Cr.
Rate of Return	52%
Break Even Point	38%

MAIZE & BY-PRODUCTS PROCESSING [EIRI-1421]

Starch is an abundant carbohydrate distributed worldwide in plants. Starch has been a major ingredient in man's diet over the centuries. In addition it has become a major industrial raw material. Plant seeds, roots and tubers are all sources of industrial

starch production. The commercial realities of the starch recovery process limit the industrial sources mainly to wheat, maize and tapioca. Indian starch industry mainly consumes maize as input raw material. Maize is doing wonderful things in our everyday life. Maize (Corn) contains about 70% starch, other components being protein, fibers and fat. The basis of the maize milling process is the separation of the maize kernel into its different parts.

Cost Estimation

Plant Capacity	50 TPD/Day
Land & Building (10 Acres)	Rs. 1.03 Cr.
Plant & Machinery	Rs. 8.50 Cr.
W.C. for 1 Months	Rs. 2.16 Cr.
Total Capital Investment	Rs. 12.41 Cr.
Rate of Return	40%
Break Even Point	49%

DETERGENT CAKE AND POWDER [EIRI-1485]

Synthetic detergents have developed in the beginning of 20th Century and started making in-roads into the area earlier served by washing compounds i.e. soaps made traditionally from oils/fats and caustic soda. Since soaps have comparatively lesser washing characteristics in hard water than synthetic detergents, synthetic washing compounds have been able to occupy a significant market which was enjoyed by washing soaps earlier. The term detergent originated from the latin word detergere (i.e. wipe off), is now-a-days applied to all synthetic washing compounds. Synthetic detergent is not only used as household cleaning material but also have industrial applications in textiles, pesticide industry as carriers, etc.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (6000 sq.mt.)	Rs. 4.32 Cr.
Plant & Machinery	Rs. 43 Cr.
Total Capital Investment	Rs. 7.06 Cr.
Rate of Return	74%
Break Even Point	30%

COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING [EIRI-1486]

Dairy industry is of crucial importance to India. The country is the world's largest milk producer, accounting for more than 13% of world total milk production. It is the world largest consumer of dairy products, consuming almost 100% of its own milk production. Dairy products are a major source of cheap and nutritious food to millions of people in India and the only acceptable source of animal protein for large vegetarian segment of Indian population, particularly among the landless, small and marginal farmers and women. India's high-value, high-volume market for traditional dairy products and delicacies is all set to boom further under the technology of mass production. This market is the largest in value after liquid milk and is estimated at US\$3 billion in India and US\$1 billion overseas. More and

more dairy plants in the public, cooperative and private sectors in India are going in for the manufacture of traditional milk products.

Cost Estimation

Plant Capacity	50000 LTR./Day
Land & Building (Area 30 Acre)	Rs. 13.98 Cr.
Plant & Machinery	Rs. 15.40 Cr.
W.C. for 1 Months	Rs. 2.71 Cr.
Total Capital Investment	Rs. 47.87 Cr.
Rate of Return	21%
Break Even Point	56%

SURGICAL COTTON, ROLLER BANDAGE, CREPE BANDAGE & PLASTER CAST (READYMADE) E.G. GYPSONA, 3M CAST [EIRI-1494]

Absorbent Cotton also known as Surgical Cotton or Cotton Wool is mainly used for medical purposes in hospitals, nursing homes, dispensaries etc., Because of high fluid absorbency power, it is better known as absorbent cotton. The absorbent cotton should be chemically inert and soft to give maximum protection and should not cause irritation. These properties can be achieved by manufacturing the product as per standard method of manufacture. The raw cotton is processed by series of steps which render the cotton hydro-phallic in character and free from external impurities needed to be fit for use in surgical dressings and personal hygiene.

Cost Estimation

Plant Capacity	250 Kg./Day Surgical Cotton	1500 Kg./Day Roller Bandage	1000 Nos./Day Crep Bandage	1000 Nos./Day Plaster Cast (Readymade)
Land & Building (1000 sq.mt.)	Rs. 1.04 Cr.			
Plant & Machinery	Rs. 53 Lacs			
W.C. for 2 Months	Rs. 75 Lacs			
Total Capital Investment	Rs. 2.37 Cr.			
Rate of Return	28%			
Break Even Point	63%			

DICALCIUM PHOSPHATE FROM ROCK PHOSPHATE [EIRI-0745]

Dicalcium phosphate exists in anhydrous as well as dehydrate form, the latter being the form marketed as a fertilizer. When pure, dehydrate form contains 41.26% P₂O₅ (18.33%P) and is largely citrate-soluble. Dehydrate was more soluble than anhydrous. It was more soluble in ammonium sulphate solution than in others. The Naubauer test with barely using ³²P showed that the uptake of fertilizer phosphorous was more from the dehydrate form. The basic raw material for this product being rock phosphate.

Cost Estimation

Plant Capacity	10 Ton/Day
Land & Building (2 Acres)	Rs. 2.35 Cr.
Plant & Machinery	Rs. 1.74 Cr.
W.C. for 1 Months	Rs. 52 Lacs
Total Capital Investment	Rs. 4.90 Cr.
Rate of Return	23%
Break Even Point	67%

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☛ **INTRODUCTION** : Project Mix, Uses & Applications, Quality Control Measure & Their Introduction for Attaining Required Properties Economy & Productivity Competence.

☛ **MARKET SURVEY** : Market Position, Installed Capacity Production, Anticipated Demand, Present Manufacturers, Statistics of Imports & Exports, Estimated Demand, Demand & Supply Gap (If available), LI/IL Issued Recently

☛ **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

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

☛ **PLANT & MACHINERY** : Range of Machineries Required, Detailed Specifications of Machines & Equipments, Prices of Machineries, Suppliers of Plant and Machineries.

☛ **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.

For assessing Market Potential, Corporate Diversifications, Planning, Investment Decision Making and to start your own setup, Entrepreneurs and Industrialists are most welcome to contact EIRI.

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* COPPER SULPHATE FROM COPPER ASH/SCRAP CHELATED ZINC (ZN-EDTA) 12%
 * ORTHOPAEDIC IMPLANTS AND INSTRUMENTS
 BARLEY MALT
 * MINERAL TURPENTINE OIL (M.T.O.) FROM PETROLEUM (SUPERIOR KEROSENE OIL OR OTHER MATERIAL)
 * M.S.FASTENERS AND S.S. FASTENERS
 * P.V.C. COMPOUNDING (FRESH) FOR CABLES AND PVC PIPES
 * BANANA FIBRE EXTRACTION AND HAND MADE PAPER BANANA & ITS BY PRODUCTS
 * COLOUR AND ADDITIVES MASTERBATCHES
 * 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)
 * FLUSH DOORS
 * DI-METHYL PHTHALATES (DMP)
 * GLUTEN FREE BEER

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* PVC AND PP FILES AND FOLDERS
 * SULFAMIC ACID PURE CRYSTAL AND OTHER GRADE (GP,SR & TM GRADE)
 * DECORATIVE LAMINATED SHEET (SUNMICA)
 * ALPHA CELLULOSE POWDER FROM COTTON WASTE
 * CAST POLY PROPYLENE FILMS (CPP FILM)
 * CASHEW NUT PROCESSING
 * BIOGAS PRODUCTION (1500 CUBIC METER PER DAY)
 * SOYA MILK AND PANEER
 * MINERAL TURPENTINE OIL (MTO)



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<ul style="list-style-type: none"> * STEEL FABRICATION * STEEL ROLLING MILL (REINFORCEMENT BAR) * ACRYLIC BATH TUB BY ACRYLIC SHEET * FABRICATION OF HEAT EXCHANGER * KITCHEN PRODUCTS MADE OF STAINLESS STEEL * ALUMINIUM BEVERAGE CAN * STEEL ROLLING MILL (BY INDUCTION FURNACE FROM STEEL SCRAP & SPONG IRON * M.S. 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 SYRUPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUIT 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 * PAPAINE 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 BENEFICIATION * 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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Market Survey Cum Detailed Techno Economic Feasibility Report on all Projects are available contact:

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Hi-Tech Projects, Oct'15, www.eiribooksandprojectreports.com # 13

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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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Market Survey Cum Detailed Techno Economic Faeasibility Report on all Projects are available contact:

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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 	<ul style="list-style-type: none"> * PACKAGING * 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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* Small Medium & Large Chemical Industries * Industrial Chemicals Technology Hand Book * Modern Technology of Organic & Inorganic Chemicals * Electroplating, Anodizing & Surface Finishing Technology * Hand Book of Agro Chemical Indust.(Insecticide & Pesticide) * Technology of Synthetic Dyes, Pigments Intermediates * Petrochemicals, Lubricants, Greases & Petroleum Refining * H.B.of Lubricants, Greases & Petrochemicals Technology	PACKAGED DRINKING WATER * Technology of Water and Packaged Drinking Water	
	PRINTING & PACKAGING * Printing Processes Tech. & Indt. * Hand Book of Printing Tech. (Offset, Screen, Flexo, Gravure, Inkjet & Digital) * Hand Book of Offset Printing Technology * Screen Printing with Processes & Technology * Hand Book of Prepress * Hand Book of Packaging Indus * Modern Packaging Technology for Processing Food, Bakery, Snack Foods, Spices and Allied Food Products * Hand Book of Food Packaging Technology * Modern Tech. of Printing Inks * Hand Book of Packaging Tech.	
GUMS, ADHESIVES & SEALANTS	PAINT, VARNISH, SOLVENTS, POWDER COATING & LACQUERS * Paint Pigment Varnish & Lacquer Manufacturing * Paint Varnish Solvents & Coating Technology * Paint, Pigment, Solvent, Coating, Emulsion, Paint Additives & Formulations * Technology of Coatings, Resins, Pigments & Inks Industries * Mfg. Tech. & Formulations H.B. on Thinners, Putty, Wall & Indu. Finishes & Synthetic Resins * Technology of Synthetic Resins & Emulsion Polymers * Technology of Paints and Coatings with Formulations * Powder Coating Technology Hand Book	
* 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		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
SMALL SCALE INDUSTRIES, STATIONERY, PAPER, INKS, CANDLES & EXPORT BUSINESS	PLASTIC/POLYMER PROCESSING, COMPOUNDING, INJECTION MOULDING, ROTATIONAL MOULDING, PLASTIC FILM, FIBRE GLASS, PLASTIC WASTE RECYCLING, MOULDS, PET & RESINS, ADDITIVES INDUSTRIES * Moulds Design & Processing Hand Book * Hand Book of Plastic Materials & Processing Technology * Injection Moulding of Plastics * Plastic Processing & Packaging Industries * Plastic Waste Recycling Tech. * Technology of Plastic Films * Rotational Moulding Technology Hand Book * Plastic Compounding, Master Batches, PET & Other Plastics * Synthetic Resins Technology	
* Start Your Own Export Business (How To Export) * Start Your Own Small Business and Industry * Candle Making Processes & Formulations Hand-Book * Stationery, Paper Converting & Packaging Industries * Modern Inks Formulae & Manufacturing Industries * Profitable Businesses to Start for Entrepreneurs * Modern Small & Cottage Scale Industries * Profitable Small Cottage Tiny & Home Industries (2nd Edn.)		AGRO CULTIVATION, ANIMAL FARMING, AGRO PLANTATION & AGRO CHEMICAL/PESTICIDES/ FLORICULTURE & BEE KEEPING * Poultry Farm & Feed Formulae * Hand Book of Pig Farming
BIO FUEL, BIO GAS & BIOPROCESSING		
* Technology of Bio-Fuel (Ethanol & Biodiesel) * Mod. Tech. of Bioprocessing * Mod. Tech. of BioGas Production		
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
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DAIRY FARM, MILK PROCESSING AND ICE CREAM		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	POULTRY FARM, HATCHERY & CHICKEN MEAT TECHNOLOGY	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	WOOD, PLYWOOD, PARTICLE, BOARD, BAMBOO & FOREST	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
	SOAP, DETERGENT & ACID SLURRY	SOLAR PV PANELS, ENERGY, CELLS
	<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"> * 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
	COSMETICS TECHNOLOGY (SYNTHETIC & HERBAL)	BUILDING MATERIAL & CHEMICALS
	<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 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

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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 & Ceramic 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 Soybean 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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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
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18. Dairy Farming to Produce Milk/Packg	57. Modern Technology of Non-Ferrous Metals and Metal Extraction	96. Onion Cultivation, Dehydration, Flake, Powder, Processing & Packing
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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
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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)
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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	
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3. 6 Lucrative Project on Thinners	35. 25 Ayurvedic/Herbal Pharmacy and Cosmetic Products	60. 45 Profitable Chemicals and Allied Projects
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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
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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
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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
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16. 13 Fish Farming & Fishery Projects	48. 35 Gums, Adhesives & Resins Projects	73. 67 Rubber & Rubber Goods Industry
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