

HI-TECH PROJECTS

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Opportunities and Industrial Technologies)*

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PROFITABLE INDUSTRIES FOR YOU

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 proportion (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. The higher the grade number of zarda panmasala, the higher it will contain zarda content. Zarda if taken in high dose is injurious to health and gives the feeling of laziness and unconsciousness.

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%
Break Even Point	54%

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.
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 (Area 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%

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41 PLASTIC EXTRUSION AND EXTRUDER BASED INDUSTRIES

(41 Project Reports in CD Rs. 29,214)

Top Industries to Start

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

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

Price of this CD containing all above 41 Project Reports is Rs. 29,214/- Payable fully in advance through Bank Draft/M.O. in favour of ENGINEERS INDIA RESEARCH INSTITUTE, DELHI. Delivery within 3 days. (To Order please dial : 098114-37895).

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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. 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.

Cost Estimation

Plant Capacity	3 MT./Day
Land & Building (Area 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 (Area 700 sq.mt.)	Rs. 96 Lacs
Plant & Machinery	Rs. 12 Lacs
W.C. for 2 Months	Rs. 51 Lacs
Total Capital Investment	Rs. 1.61 Cr.
Rate of Return	18%
Break Even Point	61%

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Dated : _____
 Signature of Sudhir Kumar Gupta
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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.

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%

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25 PVC (POLY VINYL CHLORIDE)
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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 (Area 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.

Cost Estimation

Plant Capacity	100 MT./Day
Land & Building (Area 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%

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.

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 hen galvanized i.e. coating of zinc is employed on it, gives excellent anti corrosion property to steel wire.

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%

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

1. BLISTER FILM P.V.C
2. FOAMED PVC COMPOUNDING & ITS PRODUCTS (PROFILES, BOARDS, PIPES, ETC.)
3. P.V.C. NON-WOVEN MAT
4. P.V.C. INSULATION TAPE
5. P.V.C. PIPES & FITTINGS
6. P.V.C. COMPOUNDING (FRESH)
7. P.V.C. BATTERY SEPARATOR
8. P.V.C. FLEXIBLE PIPES
9. P.V.C. FOOT WEAR
10. P.V.C. LEATHER CLOTH
11. P.V.C. WIRES AND CABLES
12. P.V.C. FILMS
13. P.V.C. GRANULES FROM PLASTIC WASTE
14. P.V.C. CONDUIT PIPES
15. P.V.C. COVER & FILES (CONFERENCE BAGS, FOLDERS, FILE COVERS, DIARY COVERS ETC.)
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18. P.V.C. STABILIZERS
19. P.V.C. EXTRUSION PROFILES (WIRING CHANNELS)
20. P.V.C. RESIN FROM CALCIUM CARBIDE
21. P.V.C. INDUSTRIAL PRODUCTS (INJECTION MOULDED)
22. P.V.C. FLUSH CISTERN
23. RIGID PVC COMPOUNDED GRANULES FOR INJECTION MOULDING MACHINE (USED FOR PIPE FITTINGS, ELBOWS, SOCKETS, NUTS, ETC.)
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25. uPVC DOORS & WINDOWS PROFILES

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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.

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%

Start Your Own Industry

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 bars wound around either or both of the cable wires at regular intervals.

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

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range of soybeans), rice bran is commercially feasible for oil extraction. The typical composition of crude rice bran oil is 81.3-84.3% triglycerides, 2-3% diglycerides, 5-6% monoglycerides, 2-3% free fatty acids, 0.3% waxes, 0.8% glycolipids, 1.6% phospholipids, 4% unsaponifiables.

Cost Estimation

Plant Capacity	50 MT./Day
Land & Building (Area 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. Oil has been struck in yet another structure in the Mumbai high offshore area. The discovery was made on August 23 on the structure R-10, 15 kms south of the Ratna Oil field.

Cost Estimation

Land & Building (8000 sq.mt.)	Rs. 5.52 Cr.
Plant & Machinery	Rs. 1.23 Cr.
W.C. for 1 Months	Rs. 1.76 Cr.
Total Capital Investment	Rs. 8.72 Cr.
Rate of Return	14%
Break Even Point	65%

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. The number and size of injection moulding machines required depend upon syringe construction, number of mould cavities, annual production.

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
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.
Total Capital Investment	Rs. 13.93 Cr.
Rate of Return	32%
Break Even Point	49%

NEW INDUSTRIES TO START- PROFITABLE

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 AND 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. 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 walnissse, noix, nuz, nuc, akhar, kurumi.

Cost Estimation

Plant Capacity	15 Tons/Day
Land & Building (Area 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%

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 (Area 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 steam 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%

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 240-260oC in the pressure 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.

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%

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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 [EIRI-1163]

Controlled atmosphere storage is a system for holding produce in an atmosphere that differs substantially from normal air in respect to CO₂ and O₂ levels. Controlled atmosphere storage refers to the constant monitoring and adjustment of the CO₂ and O₂ levels within gas tight stores or containers. The gas mixture will constantly change due to metabolic activity of the respiring fruits and vegetables in the store and leakage of gases through doors and walls.

Cost Estimation

Plant Capacity	5000 MT./Day
Land & Building (9000 sq.mt.)	Rs. 2.53 Cr.
Plant & Machinery	Rs. 3.26 Cr.
W.C. for 1 Months	Rs. 11 Lacs
Total Capital Investment	Rs. 6.02 Cr.
Rate of Return	12%
Break Even Point	74%

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

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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 rates of only 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, 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 (Area 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%

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LIQUID GLUCOSE, CATHETERS, FLOUR MILL ETC.

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 as 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 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. The principle wheat of commerce belong to the botanical groups Triticum vulgane, Triticum durum and triticum compactum. A grain of wheat is avoid in shape and it bears at one end a number of short fine grains.

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 finally 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. The three major types of catheters are coronary, renal, and infusion. Coronary catheters are used for angiography (x-ray of blood vessels after injection of radiopaque substance), angioplasty (altering the structure of a vessel) and ultrasound procedures in the heart or in peripheral veins and arteries.

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. While it will react with some chemicals, there are a large number of chemicals it will not react with, making it an excellent product for industrial applications. PVC is not without its faults.

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%

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%

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LUCRATIVE INDUSTRIES TO START..

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%

LUBE OIL BLENDING WITH GREASES [EIRI-0791]

Lube oils generally include all classes of lubricating materials that are applied as fuels. Nearly all of the world's lube oils are made from the more viscous portion of the crude oil which remain after removal of gas oil and lighter fractions by distillation. Much of the variations in physical characteristics and performance qualities of lubricating oils prepared from different crude sources can be accounted for by the millions of variations that can exist in a single large hydrocarbon molecule. In order to minimize variations and produce products that provide consistent performance in specific applications, four steps are followed in the manufacture of finished lubricating oils from the various available crudes.

Cost Estimation

Plant Capacity	5 KLS/Day Lube Oil Blending 1 Ton/Day Grease
Land & Building (2000 sq.mt.)	Rs. 1.14 Cr.
Plant & Machinery	Rs. 71 Lacs
W.C. for 3 Months	Rs. 3.11 Cr.
Total Capital Investment	Rs. 5.10 Cr.
Rate of Return	46%
Break Even Point	33%

MAIZE STARCH, LIQUID GLUCOSE, DEXTROSE (MAIZE AND ITS PRODUCTS)

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.

Cost Estimation

Plant Capacity	Starch 90,000 MT/Annum Liquid Glucose 10,000 MT/Annum Dextrose Monohydrate 2,500 MT/Annum Maize Germ 300 MT/Annum Sorbitol 4,500 MT/Annum Dextrin 3,500 MT/Annum Gluten 4,500 MT/Annum Animal feed 8,800 MT/Annum
Land & Building (20 Acres)	Rs. 18.49 Cr.
Plant & Machinery	Rs. 69.35 Cr.
W.C. for 2 Months	Rs. 82.80 Cr.
Total Capital Investment	Rs. 172.76 Cr.
Rate of Return	75%
Break Even Point	25%

Market Survey Cum Detailed Techno Economic Feasibility Reports

- To get Loan/Finance from Banks/Finacial Institutes.
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 * Data provided are reliable and uptodate collected from manufacturers/suppliers, plant already commissioned in India.

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EACH DETAILED PROJECT REPORT CONTAINS:

- ☛ **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 & Equipmants, Prices od 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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 on following lucrative products which are most viable and profitable and having bright future scope

- * 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)



EIRI is an expert Industrial Consultant working over 35 years and specialized to prepare all types of Detailed Project Reports based on clients requirements. Do Contact Today at: eiritechnology@gmail.com

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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 & SPONGE 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 PELLETIZATION * 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 * ELECTRIC WATER HEATER * 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, MARIGOLD, 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, KERV 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 GOLFER/ WOVEN SHIRTING & SUITING FOR UNIFORMS/SWEATERS) MANUFACTURING * BIO-DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA * FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN * GUAR SPLIT POWDER AND OTHER BY PRODUCTS * SOLVENT EXTRACTION PLANT (COTTON SEED) * RASGULLA MANUFACTURING AND CANNING * CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMNT * MAIZE & BY PRODUCTS PROCESSING -STARCH MODIFIED STARCHES/LIQUID GLUCOSE/DEXTROSE MONOHYDRATE/GLUCOSE SYRUPS/CORN SYRUP SOLIDS/HIGH MALTOSE CORN SYRPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQVID * INTEGRATED SCRAP YARD * POTATO STARCH * MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKA, GIN) FROM RECTIFIED SPIRIT/ENA * COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING MILK/DAY CAP-50,000 LTR/DAY * WHEAT FLOUR MILL * CHAKKI FLOUR MILL * I.V. FLUID (FFSTECHNOLOGY) * LIQUID GLUCOSE FROM POTATOES * SORBITOL FROM MAIZE STARCH * WALNUT PROCESSINGPLANT * SOLVENT EXTRACTION AND OIL REFINERY CUM PACKING OF RICE BRAN OIL * COTTON SEED OIL SOLVENT EXTRACTION PLANT * MARINE TRAINING INSTITUTE & PLACEMENT SERVICE PROVIDING AGENCY * I.V.FLUID (FFS TECHNOLOGY) * CERAMIC FIBERS, CERAMIC 	<ul style="list-style-type: none"> FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * COLD SUPPLY CHAIN * LAMI TUBE MANUFACTURING * EYE DROP 3 PIECES (PLASTIC VIALS) * PET BOTTLES (CAMBER/ CLEAR IN COLOUR) CAP: 15ML,60ML 100ML,135ML, 200ML & 500ML * BENZYL ALKONIUM CHLORIDE (BKC) * NATURAL SUGAR WAX * MARGARINE BUTTERFROM VEGETABLE OIL * GREEN HOUSE FOR CROP PRODUCTION * ORGANIC DAIRY FARMING * E-WASTE * BIO-DIESEL FROM ALGAE * VANADIUM PENT OXIDE GRAPHITE MINING AND BENEFICIATION PLANT * VITAMIN WATER * PET PREFORM CUM PET BOTTLES * ORGANIC DAIRY FARMING AND PRODUCING WHOLE MILK POWDER (WMP) * HDPE BOTTLES * CAUSTIC SODA FROM SODIUM CHLORIDE * COAL TAR PITCH * MOSQUITO REPELLANT * WRIST BAND * CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID * PAPAIN FROM PAPAYA * PROCESSED CHEESE * MONOCHLORO BENZENE * EUGENOL FROM CINNAMON OIL * SULPHUR 80% WDG * CERAMIC FIBERS, CERAMIC FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * SCREEN PRINTING * DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE & HAIFA PROCESS * PVC FLEXIBLE PIPE * FLEX BANNER USED IN DIGITAL PRINTING * PIGMENTS BINDERS FOR TEXTILE PRINTING * POULTRY & HATCHERY FARM * ALOEVERA JUICE AND GEL * LIME PUTTY * AUTOMOBILE WORKSHOP/ GARAGE * EGG TRAY FROM PULP * CARDANOL FROM C.N.S.L. * OXYGEN GAS 	<ul style="list-style-type: none"> * POLYALUMINIUM CHLORIDE * NAMKEEN INDUSTRY (BHUIJIA, 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) * AUTOCLAVED AERATED CONCRETE BLOCKS * OXYGEN AND NITROGEN GAS PLANT * MANGANESE ORE BENEFICATION * MINERAL WOOL * CALCIUM SILICATE * TOUGHENED GLASS * HUMIC ACID * OFFSET PRINTING UNIT (5 COLOUR) * CASTOR OIL AND ITS DERIVATIVES OLEORESIN * TISSUE PAPER PULPING FROM SAW DUST * KNITTED GLOVES * RADIATOR COOLANT * LATEX FOAM RUBBER (SPONG RUBBER) * GARLIC OIL AND POWDER * ACTIVATED CARBON & SODIUM SILICATE FROM PADDY/ RICE HUSK * TRIETHYLENE GLYCOL * RAMMING MASS * WOOD PEELING & VENEER MAKING * PETROLEUM JELLY * DAIRY FARM (COW & BUFFALO) TO PRODUCE
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Market Survey Cum Detailed Techno Economic Faeasibility Report on all Projects are available contact:

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Highly Profitable Projects for New Entrepreneurs “EIRI Market Survey Cum Detailed Techno Economic Feasibility Reports”

<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 (CLC) BRICKS * CELL CAST ACRYLIC SHEET * ACRYLIC BATH TUB AND SHOWER TRAY * THERMOCOKE 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 Feasibility 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 & BUFFALOE FOR BOOSTING MILK AND GROWTH * TYRE RECYCLING UNIT * PAPAIN EXTRACTION INDUSTRY * CAKE SHOP * BUSINESS PROCESS 	<p>OUTSOURCE (B.P.O.)</p> <ul style="list-style-type: none"> * EMPTY HARD GELATINE CAPSULES * BIOFERTILIZER * PLASTIC MOULDING UNIT (CHAIR, TABLES & VEGETABLE TRAYS) * GOLD POTASSIUM CYANIDE (G.P.C.) * HDPE, PVC & CPVC PIPES AND FITTINGS * NO CARB PASTE (ANTICARBURIZING PASTE-WATER SOLUBLE) FOR HEAT TREATMENT * CONVERSION WASTE PLASTIC WITH TYRE INTO ACTIVATED CARBON AND INDUSTRIAL FUEL * PYROLYSIS PLANT FROM PLASTIC & RUBBER * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS * AGAR AGAR * NAIL POLISH * PLASTIC GRANULES FROM WASTE * AGARBATTI SYNTHETIC PERFUMERY COMPOUNDS & AGARBATTI COMPOUNDS LIKE (CHAMPA, MOGRA, SANDAL WOOD & LOBAN) * PET PREFORM AND PET JARS (20 LTRS CAPACITY) * KRAFT PAPER FROM 100% WASTE PAPER * PRIVATE UNIVERSITY * LIQUID GLUCOSE AND MALTODEXTRIN FROM BROKEN RICE * DRY WALL PUTTY (WHITE CEMENT BASED) * CONSTRUCTION CHEMICALS OT PASTE * FUSED SILICA FROM SILICA SAND * BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS) * CONFECTIONERY UNIT (TOFFEE, CANDY /LOLLIPOP CHEWING GUM, BUBBLE GUM CHOCOLATE) * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR MODIFIED RESINS) 	<ul style="list-style-type: none"> * EPDM RUBBER PROFILES (WEATHER STRIPS, INDUSTRIAL MONOSTRIPS ETC) * GRANITE CUTTING AND POLISHING UNIT (100% EOU) * SURGICAL COTTON, ROLLER BANDAGE, CREPE BANDAGE & PLASTER CART (READY MADE) E.G. GYPSONA 3M CART * ENTERTAINMENT CLUB, HOLIDAY RESORT, 4 STAR HOTEL, AMUSEMENT PARK CUM WATER PARK, MUSHROOM & ITS PRODUCTS, FISH FARMING, LAKE FOR BOATING, DEER PARK ETC. * HDPE, PVC, LLDPE PIPES/ TUBES AND FITTING * EPOXIDIZED SOYABEAN OIL (SECONDARY PLASTICIZER) USED IN PVC COMPOUND * POULTRY PROCESSING PLANT * B.O.P.P. SELF ADHESIVE TAPES * I.V.SET * MANGANESE OXIDE AND MANGANESE SULPHATE * ODOURLESS NYLON GRANULES FROM FIBER OF WASTE TYRE WITHOUT CHANGING PROPERTIES OF NYLON * PARTICLE BOARD FROM RICE HUSK OR WOOD WASTE OR SUGAR CANE BAGASSE OR MIXED OF ALL ABOVE * POULTRY LAYER AND BROILER FARMING * TOMATO, GUAVA AND MANGO PULP * GREEN HOUSE * HYDROXY PROPYL GUAR (HPG) AND CARBOXY METHYL HYDROXY PROPYL GUAR * BATHSOAP MANUFACTURE * PLASTIC MOULDED CHAIRS * FROZEN POTATO PATTY * CALCIUM ALUMINATE * ACTIVATED CARBON FROM COCONUT SHELL * RIGID PVC FILM MANUFACTURE FOR PHARMACEUTICALS BLISTER 	<p>PACKAGING</p> <ul style="list-style-type: none"> * NYLONE 66 CURING TAPE USED IN RUBBER HOSE PIPE WRAPPING * ANTIFOAMING/DEFOAMING AGENT LIKE ANTAROL T-709 * SOY AND GLUTEN BASED MOCK MEAT * KRAFT PAPER USING WASTE PAPER AND OLD CORRUGATED CARTONS * GLASS BOTTLE FOR BEER AND BEER MUG (TUMBLER) * DISPOSABLE SYRINGES AND NEEDLE PLANT (Single Use Syringes, Single Use Needles & As Syringes) * DIRECT FILLED BALL PEN (USE AND THROW) * BENZALKONIUM CHLORIDE * SPINNING COTTON (COTTON SPINNING PLANT) * CALCIUM CHLORIDE USING LIME STONE AND HYDROCHLORIC ACID * RUBBER POWDER FROM WASTE TYRES * CALCINATION PLANT FOR PYROPHYLLITE AND DIASPORE MINERALS BY VERTICAL SHAFT KILN PROCESS * ONION, GARLIC & GINGER DEHYDRATION PLANT * POTASSIUM NITRATE * POTASSIUM SULPHATE * N.P.K. FERTILIZER * CHICORY EXTRACT (ROASTED CHICORY GRANULES/CUBES, LIQUID EXTRACT ETC.) * SOLID WASTE SEGREGATION * LAMITUBE MANUFACTURE * BOARDING SCHOOL * CERAMIC FUSE TUBE/ BARRELS USED IN HRC FUSE * SODIUM POLYACRYLATE DISPERSANT FOR USE IN WATER BASED PAINT WITH DISPERSANT FOR PIGMENT * NAIL POLISH, LIPSTICKS, NAIL POLISH REMOVER * SOYA PRODUCTS (MILK, PANEER, TOFU, BUTTER, CHEESE CURD/YOGURT, ICE CREAM) WITH PACKAGING UNIT * GREASE MANUFACTURING
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TERMS AND CONDITIONS

Ask for the quotation for the required project report at
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