# HI-TECH PROJECTS

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

***August 2015 Issue***

***(E-copy)***


## ENGINEERS INDIA RESEARCH INSTITUTE

**Regd. Off : 4449, Nai Sarak, Main Road, Delhi - 110 006 (India)**

*** Ph: +91 9811437895, 9811151047, 91-11-23918117, 23916431, 45120361, 23947058, 64727385**

*** E-Mail : eiriprojects@gmail.com, eiritechnology@gmail.com**

*** Website: www.eiriindia.org, www.industrialprojectreports.com**

**Deposit the amount in "EIRI "Account with HDFC BANK CA- 05532020001279 (RTGS/NEFT/IFSC CODE: HDFC0000553) OR ICICI BANK CA - 038705000994 (RTGS/NEFT/IFSC CODE: ICIC0000387) OR AXIS Bank Ltd. CA - 054010200006248 (RTGS/NEFT/IFSC CODE:UTIB0000054) OR UNION BAK OF INDIA CA-307201010015149 (RTGS/NEFT/IFSC CODE: UBIN0530727) OR STATE BANK OF INDIA CA-30408535340 (RTGS/NEFT/IFSC CODE: SBIN0001067) AND JUST SMS US ON PH. 09811437895**

# JUST PREPARED NEW PROJECTS FOR YOU

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

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

## GYPSUM PLASTER BOARD, GYPSUM PLASTER AND PLASTER OF PARIS [EIRI-1734]

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

**Cost Estimation**

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

**********

## DISTRIBUTION TRANSFORMER MANUFACTURING AND RECONDITIONING [EIRI-1735]

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

**Cost Estimation**

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

**********

## COPPER OXYCHLORIDE (EIRI-1736)

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation (Rupees in Lacs)**

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

**********

## SODIUM HYDRO SULFITE [EIRI-1738]

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

**Cost Estimation**

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

**********

## AYURVEDIC COLLEGE WITH HOSPITAL [EIRI-1739]

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

**Cost Estimation**

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

# 63 MULTI CRORES PROFITABLE PROJECTS (From Rs. 2 Cr. to Rs. 2500 Cr. Projects) (63 Project Reports in CD) Rs. 1,09,551/-

# Top Industries to Start

| | PROJECT NAME | PROJECT COST Rs. |
|---|---|---|
| 1. | ALUMINIUM EXTRUSION | 17 Cr. |
| 2. | ALCOHOL FROM BROKEN RICE | 6 Cr. |
| 3. | AUTOMATIC BRICK PLANT | 4 Cr. |
| 4. | AUTOMATION CONTROL EQUIP. | 50 Cr. |
| 5. | BATTERY-OPERATED 3 WHEELER | 6 Cr. |
| 6. | BEER INDUSTRY | 41 Cr. |
| 7. | BED SHEET, BED COVER, SOFA CLOTH, | 27 Cr. |
| 8. | BIOFERTILIZER | 2 Cr. |
| 9. | BUTYL RUBBER | 7 Cr. |
| 10. | BOTTLING PLANT | 41 Cr. |
| 11. | BIOCIDES FOR DISTILLER | 20 Cr. |
| 12. | BENIFICATION PLANT-MANGANESE ORE | 18 Cr. |
| 13. | CHICKEN FARMING (HATCHERY) | 22 Cr. |
| 14. | CORRUGATED SHEET BOARD & BOXES | 5 Cr. |
| 15. | COMPUTER SOFTWARE DEVELOPMENT | 3 Cr. |
| 16. | CONSTRUCTION CHEMICALS | 5 Cr. |
| 17. | CHICKEN PROCESSING | 28 Cr. |
| 18. | CHROME BENEFICIATION PLANT | 114 Cr. |
| 19. | CASEIN FROM MILK | 63 Cr. |
| 20. | DEHYDRATION OF ONION & GARLIC | 6 Cr. |
| 21. | DEHYDRATION OF FRUITS & VEG. BY IQF TECHNOLOGY | 5 Cr. |
| 22. | DISPOSABLE PLASTIC SYRINGES | 14 Cr. |
| 23. | E.R.W. STEEL PIPES & TUBES | 27 Cr. |
| 24. | FERRIC ALUM | 9 Cr. |
| 25. | GUARGUM POWDER FROM GUAR SPLIT | 8 Cr. |
| 26. | HOSPITAL (100 BEDS) | 68 Cr. |
| 27. | IRON ORE MINING | 302 Cr. |
| 28. | INTEGRATED UNIT OF DAIRY, FARMING MILK COLLECTION ETC. | 9 Cr. |
| 29. | I M F L (WINE, BRANDY, WHISKY | 41 Cr. |
| 30. | KATHA & KUTCH | 5 Cr. |
| 31. | KRAFT PAPER | 23 Cr. |
| 32. | KRAFT PAPER FROM BAGASSE | 15 Cr. |
| 33. | MULTIPRODUCTS | 1795 Cr. |
| 34. | MULTIPURPOSE COLD STORAGE ETC. | 14 Cr. |
| 35. | MEGA FOOD PARK | 16 Cr. |
| 36. | M.S. PIPE (WELDED) | 20 Cr. |
| 37. | MEDICAL COLLEGE, HOSPITAL ETC. | 17 Cr. |
| 38. | MILD STEEL SECTION MILL (ANGLES, CHANNELS, ROUND, SQUARES, ETC.) | 17 Cr. |
| 39. | MONOCHLORO ACETIC ACID | 23 Cr. |
| 40. | MONOCHLORO ACETIC ACID FROM ETHANOL AND CHLORINE | 18 Cr. |
| 41. | MINERAL WATER CUM PET BOTTLE MANUFACTURING UNIT | 10 Cr. |
| 42. | PORTLAND CEMENT PLANT | 178 Cr. |
| 43. | POWER PLANT FROM BIO GAS | 12 Cr. |
| 44. | PRODUCTION OF BIO-OIL | 3 Cr. |
| 45. | PVC PIPE AND FITTING | 3 Cr. |
| 46. | PAPER PLANT | 140 Cr. |
| 47. | POWER PLANT (GAS BASED) | 17Cr. |
| 48. | RESIDENTIAL COMPLEX (TOWNSHIP) | 520 Cr. |
| 49. | ROLLING MILL BY TMT TECHNOLOGY | 16 Cr. |
| 50. | ROLLING MILL WITH INDUCTION FURNACE | 79 Cr. |
| 51. | SUGAR PLANT | 90 Cr. |
| 52. | SPONGE IRON FROM IRON ORE | 148 Cr. |
| 53. | SOLAR POWER (ENERGY) PLANT | 105 Cr. |
| 54. | STEEL PLANT BASED ON INDUCTION FURNACE | 39 Cr. |
| 55. | STEEL PLANT (BILLETS) BASED ON INDUCTION FURNACE | 232 Cr. |
| 56. | STEEL TRANSMISSION LINE TOWER & HOT ROLLING MILL | 60 Cr. |
| 57. | SODIUM TRIPOLY PHOSPHATE | 71 Cr. |
| 58. | TYRES, TUBES & FLAP | 94 Cr. |
| 59. | TUBULAR STEEL SWEDGE TYPE POLE | 12 Cr. |
| 60. | TMT STEEL BARS | 4 Cr. |
| 61. | UREA FERTILIZER PLANT | 2505 Cr. |
| 62. | VODKA FROM POTATOES | 26 Cr. |
| 63. | WOMEN POLYTECHNIC COLLEGE | 24 Cr. |

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

Price of this CD containing all above 63 Project Reports is **Rs. 1,09,551/-**. 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).***

## ZINC EDTA [EIRI-1740]

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

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

uPVC - Unplasticized polyvinyl chloride. Chemical composition - PVC (resin) +CaCo3 (calcium carbonate) + Tio2 (titaniun-di-oxcide). uPVC also known as rigid PVC is extensively used in the building industry as a low-maintenance material. Very strong plastic used for making window frames and other parts of buildings. Wide range of colors, wooden finishes and other textures. uPvc have High impact resistance, Unaffected by temperature, Corrosion resistant, Resistant to exhaust fumes and building industry chemicals, Aging resistant & etc. Windows and doors are the connection between rooms and the outside world. They allow light and air into the house and enable you to see the world outside while protecting from wind, harmful rays of sun and rain. They keep us warm in the winter and cool in the summer.

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

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

The use of "Banana" fiber for textile and other purpose as natural material is a new concept for India. However, considerable research work has been done by textile research organizations including BITRA, CITRA, KVIC (Khadi Village Industry Corporation) and 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 and hence it is also known popularly as "Manila Hemp". .

**Cost Estimation**

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

**********

# Start Your Own Industry

## SUPERABSORBENT POLYMER (POLY ACRYLIC ACID BASED) [EIRI-1745]

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

**Cost Estimation**

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

**********

## STAINLESS STEEL UTENSILS [EIRI-1746]

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

**Cost Estimation**

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

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

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

**Cost Estimation**

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

**********

## LIQUID SULFUR TRIOXIDE (SO3) (EIRI-1748)

Sulfur trioxide (alternative spelling, sulphur trioxide) is the chemical compound with the formula SO3. In the gaseous form, this species is a significant pollutant, being the primary agent in acid rain. It is prepared on massive scales as a precursor to sulfuric acid. Gaseous SO3 is a trigonal planar molecule of D3h symmetry, as predicted by VSEPR theory. SO3 belongs to the D3h point group. In terms of electron-counting formalism, the sulfur atom has an oxidation state of +6 and a formal charge of +2. The Lewis structure consists of an S=O double bond and two S–O dative bonds without utilizing d-orbitals.

**Cost Estimation**

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

**********

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

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.P.E/P.P. 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 TARPAULIN
27. POLYTHENE BAGS
28. PLASTTIC SUTLI OR POLYPROPYLENE SUTLI
29. PVC EXTRUSION PROFILES (WIRING CHANNELS)
30. POLY CARBONATE SHEET
31. PVC/PLASTICS (SOFT/RIGID) FILMS/ SHEET
32. POLYSTER 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. 43,821/-**. 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).***

**Patrons, deposit amount in EIRI Account**
**ICICI BANK LTD.**
**CA-038705000994**
**(RTGS/NEFT/IFSC Code: ICIC0000387)**

# Start Your Own Industry

## PAN MASALA AND MOUTH FRESHNERS [EIRI- 1749]

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

**Cost Estimation**

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

**********

## TOYOTA AUTOVEHICLES DEALERSHIP WITH AUTOMOBILE GARAGE [EIRI-1750]

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

## GLASS BOTTLE MANUFACTURING [EIRI-1752]

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

**Cost Estimation**

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

**********

## GOAT FARMING [EIRI-1753]

Goats are among the main meat-producing animals in India, whose meat (chevon) is one of the choicest meats and has huge domestic demand. Due to its good economic prospects, goat rearing under intensive and semi-intensive system for commercial production has been gaining momentum for the past couple of years. High demand for goat and its products with potential of good economic returns have been deriving many progressive farmers, businessmen, professionals, ex-servicemen and educated youths to take up the goat enterprise on a commercial scale. The emerging favourable market conditions and easy accessibility to improved goat technologies are also catching the attention of entrepreneurs. A number of commercial goat farms have been established in different regions of the country.

**Cost Estimation**

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

**********

## SANITARY NAPKINS (DISPOSABLE) [EIRI- 1754]

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

**Cost Estimation**

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

**********

## WALNUT PROCESSING PLANT [EIRI-1755]

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

**Cost Estimation**

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

**********

# Top Industries to Start

## COLD STORAGE PLANT [EIRI-1757]

All fruits and vegetables require specialized post harvest treatment, appropriate temperature and relative humidity for their storage. Establishment of cold storage provides refrigerated storage and preservation facilities for several fruits, vegetables & flowers. Because of technology advancements and logistic strategies, the cold storage of perishable items has become an important stage in the distribution between manufacturers/processors and retail locations. The cold storage will ensure the increased availability and improved quality of high value perishable fruits and vegetables for both export and local sale, which would otherwise perish or deteriorate. This project is designed for storing of potatoes and apples/ kinnu etc. but it can be used to store multiple products, stored in different compartments of the unit, where relative temperatures for respective products can be maintained. The major clientele of this business will be the export houses and the local trading and marketing units of potato and apple/ kinnu. The project will further aim at storing fruits & vegetables even during off-seasons. The project will ultimately assist the clientele in maintaining market price equilibrium throughout the year for potatoes. Kashmir has rightly been described as, the land of fruits. Its land environment and salubrious climate has provided greater facilities for horticulture industry to grow more rapidly. The apparently growing fruit industry has changed the social and economic status of our rural Kashmir and helped its people in reshaping their economy to some extent.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 5000 MT. |
| Land & Building (2 Acres) | Rs. 4.32 Cr. |
| Plant & Machinery | Rs. 3.26 Cr. |
| W.C. for 1 Month | Rs. 12 Lacs |
| Total Capital Investment | Rs. 7.86 Cr. |
| Rate of Return | 19% |
| Break Even Point | 62% |

**********

## KRAFT PAPER FROM WASTE CARTON BOXES [EIRI-1758]

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. This is called pulping.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 100 MT./Day |
| Land & Building (16 Acres) | Rs. 31.95 Cr. |
| Plant & Machinery | Rs. 51 Cr. |
| W.C. for 3 Months | Rs. 25.40 Cr. |
| Total Capital Investment | Rs. 111.49 Cr. |
| Rate of Return | 32% |
| Break Even Point | 52% |

**********

## GUAR GUM [EIRI-1759]

The districts in Haryana indulge d in the production of guar are Bhiwani, Sirsa, Mahendragarh and Rewari and the districts in Gujarat are Kutch, Banaskantha, Mehsana, Sabarkantha and Ahmadabad. Jodhpur city in Ra jasthan is one of the major processing centers of guar gum in India. Guar also known as cluster bean (Cyamopsis tetragonoloba (L.) Taub) is a drought hardy leguminous crop. Guar is being grown for seed, green fodder, vegetable and green manuring. It is an annual plant, about 4 feet high, vertically, stalked, with large leaves and clusters of pods. Each pod is about 5-8 cm long and has on an average 6-9 small grayish-white pea shaped seeds. The pods are used as a green vegetable or as a cattle feed besides the industrial extraction of guar gum. Guar seed consists of major three portions viz. the seed coat,the endosperm and the innermost proteinacious portion,the germ.The endosperm is mechanically separated from seeds which yields 35-42% of gum(galactomannan).The left out portion, i.e., the outer seed coat and the germ together constitute guar meal.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 5 TPD/Day |
| Land & Building (1 Acre) | Rs. 2 Cr. |
| Plant & Machinery | Rs. 1.12 Cr. |
| W.C. for 3 Months | Rs. 2.53 Cr. |
| Total Capital Investment | Rs. 5.75 Cr. |
| Rate of Return | 90% |
| Break Even Point | 25% |

**********

## ALPHA CELLULOSE POWDER FROM COTTON WASTE [EIRI-1645]

Cellulose is a natural carbohydrate high polymer (polysaccharide) consisting of anhydro glucose units joined by an oxygen linkage to form long molecular chains. that are essentially linear cellulose exist in three form. 1. Alpha, 2. Beta, 3. Gamma. Alpha cellulose has the highest degree of Polymerization (DP). It is insoluble in strong sodium hydroxide solution. The beta and gamma form have much lower DP and are known as hemicelluloses.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 2 MT/Day |
| Land & Building (1500 Sq.Mt.) | Rs. 2.57 Cr. |
| Plant & Machinery | Rs. 90 Lacs |
| W.C. for 3 Months | Rs. 93 Lacs |
| Total Capital Investment | Rs. 4.51 Cr. |
| Rate of Return | 16% |
| Break Even Point | 65% |

**********

## CAST POLY PROPYLENE FILMS (CPP FILM) [EIRI-1646]

The term CPP is used in the plastics industry to describe polypropylene-based films produced by a cast extrusion process (Cast Polypropylene). Although there are some CPP films used for hygiene applications and synthetic paper (usually involving fillers and other additives), the term CPP is usually used to refer to high clarity films targeting lamination, metallization and packaging applications.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 16.67 MT/Day |
| Land & Building (4000 Sq.Mt.) | Rs. 2.45 Cr. |
| Plant & Machinery | Rs. 2.80 Cr. |
| W.C. for 2 Months | Rs. 9.22 Cr. |
| Total Capital Investment | Rs. 14.77 Cr. |
| Rate of Return | 46% |
| Break Even Point | 34% |

**********

## SPICES GRINDING [EIRI-1647]

Spices which are basically plant products, have a definite role to play in enhancing the taste flavour, relish or piquancy of any food, most of the spices are pagrant, aromatic and pangent. They comprise seeds, bartes, rhizome, leaves fruits and other parts of plants, which belong to varigated species and genera since time immorial, india in renamed to be the have of spices. Most important spices like black pepper (king of spices) cardamom (queen of spices) cardamon (queen of spices), ginger, chilies and turmeric, which are produced in India import it great reputation and these constitute. The major group of spices.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 2 MT/Day |
| Land & Building (1500 Sq.Mt.) | Rs. 1.30 Cr. |
| Plant & Machinery | Rs. 1.15 Cr. |
| Total Capital Investmen | Rs. 4.40 Cr. |
| Rate of Return | 54% |
| Break Even Point | 49% |

**********

## DOOR HINGES (MILD STEEL AND STAINLESS STEEL) [EIRI-1648]

Hinges have extensive applications in joining doors, windows and similar other structures requiring a movement of one flank with respect to a fixed frame. In housing, the door flanks can have an angular movement with respect to the door frames of wood or steel or aluminium. Its function is to joint one part to the other.

**Cost Estimation**

| | |
|---|---|
| Plant Capacity | 400 Kgs./Day |
| Land & Building (1000 Sq.Mt.) | Rs. 1.75 Cr. |
| Plant & Machinery | Rs. 48.20 Lacs |
| Total Capital Investment | Rs. 2.97 Cr. |
| Rate of Return | 20% |
| Break Even Point | 58% |

**Deposit amount in EIRI Account AXIS BANK LTD. 054010200006248 (IFS Code: UTIB0000054) or ICICI BANK LTD. CA-038705000994 (RTGS/NEFT/IFSC Code: ICIC0000387)**

# Best Industries to Start and Grow

## CASHEW NUT PROCESSING [EIRI-1649]

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

**Cost Estimation**

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

**********

## BIO GAS PRODUCTION & BOTTLING PLANT [EIRI-1650]

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

**Cost Estimation**

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

**********

## ISOBGOL PROCESSING UNIT [EIRI-1651]

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

## GROUND CALCIUM CARBONATE MICRONIZATION PLANT [EIRI-1653]

Calcite is a carbonate of calcium ($CaCO_3$) containing 56% CaO and 44% $CO_2$. It is one of the important industrial minerals also known as 'Calc Spar'. Pure crystallised transparent variety of calcite is known as 'Iceland Spar' which is used as Nicol prism in optical instruments using polarised light. Calcite is the most abundant crystalline form of calcium carbonate ($CaCO_3$) Calcite limestone refers to a high-calcium limestone. As for hardness of calcite is concerned, pure calcite has a hardness of 3 Mohs, whereas naturally occurring limestone's lie in the range of 2-4 Mohs. Regarding the formation and occurrence of limestone/calcite mineral, this is widely distributed throughout the world in deposits of varying sizes & degrees of purity.

**Cost Estimation (US DOLLAR)**

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

**********

Patrons, deposit amount in EIRI Account
**STATE BANK OF INDIA CA-30408535340**
**(RTGS/NEFT/IFSC Code: SBIN0001273)**

# Hi-Tech Projects

(Date of Posting 24th to 30th of Every Month, Weight of Magazine- Upto 48 Gram)

*An Industrial Monthly Magazine on Hi-Tech Projects & developed and underdeveloping Technologies with lucrative Project opportunities*

**Editor**
Sudhir Gupta
**Asst. Editor**
Ankur Gupta

**SUBSCRIPTION RATES FOR INDIA**

**Single Copy** Rs. 20/-
**One Year** Rs. 225/-
**Three Years** Rs. 650/-

*(Add Rs. 100/- for outstation cheques. Please make the Draft/Cheque in favour of "Engineers India Research Institute, Delhi"*

**FOR OVERSEAS**

*Single Copy US$ 10/-*
*One Year US$ 120/-*

**CAUTION**

*Project Reports/Profiles provided in this issue had been prepared on datas available at the time of preparing these reports. Entrepreneurs/Industrialists are requested to please update the data before venturing into any project mentioned herein.*

**PUBLISHERS**


ENGINEERS INDIA RESEARCH INSTITUTE
4449 Nai Sarak, Main Road, Delhi - 110006 (INDIA) **Ph** : 9111- 23916431, 23918117, 45120361, 9811437895, 9811151047
**E-Mail** : eiritechnology@gmail.com, eiriprojects@gmail.com
**Website:** www.eiriindia.org
www.eiribooksandprojectreports.com


**Patrons may also directly transfer the fund for Project Reports & Books in following EIRI current accounts:**

**HDFC BANK** - 05532020001279
(RTGS/NEFT/IFSC CODE: HDFC0001981)

**ICICI BANK** - 038705000994
(RTGS/NEFT/IFSC CODE: ICIC0000387)

**AXIS Bank Ltd.** - 054010200006248
(RTGS/NEFT/IFSC CODE:UTIB0000054)

**UNION BAK OF INDIA** -307201010015149
(RTGS/NEFT/IFSC CODE: UBIN0530727)

**STATE BANK OF INDIA** -30408535340
(RTGS/NEFT/IFSC CODE: SBIN0001273)

**AND SMS US ON PH. +91 9811437895**

# Start Your Own Industry

## SOYA MILK AND PANEER [EIRI-1654]

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

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

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

**Cost Estimation**

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

**********

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

Due to the very low consumption as compared to developed countries and even in India, a large gap is to be filled by introducing new and cost effective products. Customers with low purchasing power don't have any option other than plastic furniture. Middle and lower classes in Pakistan is major buyer and these classes are 65% of total population. Also there are very few players in this business. The business of Molded Furniture has marked its place in the country through growth during the last ten years. This growth has opened up new opportunities. The prime reason for this is awareness about the product. Along with that, companies are offering conditional warranty of plastic chairs minimizing risk of customer. Molded Furniture is basically produces in developed countries to be used as Lawn Furniture and outdoor restaurants. As trends are from developed countries, it was introduced in Pakistan around 1984-1985 by a Karachi based firm. Then a factory was installed in Gujranwala and then with the passage of time now there are some main 7units producing plastic chairs, tables, baby products, etc Day and nights. Due to low purchasing power people in Pakistan found this product cheap, associated with warranty covering the risk of consumers. Customer bank is increasing Day by Day with the penetration of companies, by introducing new and economical models, variety of colors, exports to Afghanistan etc.

**Cost Estimation**

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

**********

## KURKURA AND NAMKEEN [EIRI-1659]

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

**Cost Estimation**

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

# Top Industries to Start

## SORBITOL FROM CORN
## [EIRI-1660]

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

**Cost Estimation**

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

**********

## POLYTHENE ROLLED SHEET
## [EIRI-1661]

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

**Cost Estimation**

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

**********

## SUPERABSORBENT POLYMER (POLY ACRYLIC ACID BASED)
## [EIRI-1662]

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

**Cost Estimation**

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

**********

## BISCUIT (ASSORTED) AUTOMATIC PLANT
## [EIRI-1663]

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

**Cost Estimation**

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

**********

## SYNTHETIC PEARL COATING ON POLYSTYRENE BEADS
## [EIRI-1664]

Pearl is one of the highly elegant variety of gem among others. Though the availability of pearl (natural) is limited in market. This is so costly that only limited number of people can purchase the same. For general categories of people it is the synthetic pearl which is largely available and used by the people. The plastic beads of suitable size is manufactured by plastic manufactures, which are either dip coated or spray coated by suitable coating material giving the same pearly effect on it. It gives same shining like natural pearl. It can be prepared in various shades depending on the addition of requisite dyes in the pearl coating compound.

**Cost Estimation**

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

**********

## SODIUM SULPHIDE
## [EIRI-1665]

Sodium sulphide, Na2s, is an organic chemical that has attained as very important position in the organic chemical industry. It is an important sulphide of sodium. It is widely used in leather industry for removing hairs from the hide. It finds extensive applications in textile and also synthetics of sulphur dyes and reduction of amino compounds. It is also used in paper industry, lothogrraphy and engraving manufacture of sulphur black dyes etc. There was no production of sodium sulphide in India before the war, all the requirements being met from imports. Arrangements for the import of sodium sulphide failed and considerably difficulty was experienced by the textile and terming industries in meeting the requirements of the defense serious for textiles and leather.

**Cost Estimation**

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

**********

## SORBITOL FROM CORN
## [EIRI-1666]

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

**Cost Estimation**

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

**********

# Market Survey Cum Detailed Techno Economic Feasibility Reports

- **To get Loan/Finance from Banks/Finacial Institutes.**
- **To set up your own Industry/Unit**
- **To have Detailed & Exhaustive Data on any Project.**

* EIRI Project Reports are prepared by highly qualified & experienced consultants & Market Research and Analysis supported by a panel of Experts and Computerised.

* Data provided are reliable and uptodate collected from manufacturers/suppliers, plant already commissioned in India.

***A complete List of Industrial Project Reports are given on www.eiribooksandprojectreports.com***

## 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.**

**EIRI Technocrats and Engineers** have just prepared
**"MARKET SURVEY CUM DETAILED TECHNO ECONOMIC FEASIBILITY REPORTS"**
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 PETROLEM (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

Avail One **Free** Copy of
**HI-TECH PROJECTS**
Industrial Monthly Magazine
by Email, Contact at:
**eiriprojects@gmail.com**
**eiribooks@yahoo.com**

* 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*

# Highly Profitable Projects for New Entrepreneurs
## "EIRI Market Survey Cum Detailed Techno Economic Feasibility Reports"

* 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 TUNGESTEN 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
* STONEWARE 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
* 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 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
* 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)

* 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 (EXPELLER PROCESS)
* MEDICAL COLLEGE WITH 750 BEDS HOSPITAL FACILITY
* MICRO IRRIGATION PRODUCT MANUFACTURING PLANT
* HOT DIP GALVANIZING MUSTARD OIL PROCESSING PLANT (EXPELLER 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 CENTRALLISED KITCHEN
* 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 CENTRALLISED 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 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
* MONOCHLOROBENZENE
* 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
* POLYALUMINIUM CHLORIDE
* NAMKEEN INDUSTRY (BHUJIA, 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

# Highly Profitable Projects for New Entrepreneurs
## "EIRI Market Survey Cum Detailed Techno Economic Feasibility Reports"

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
* 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, 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
* 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
* 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

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


**ENGINEERS INDIA RESEARCH INSTITUTE**

**4449, Nai Sarak, Main Road, Delhi - 110 006 (India) * Ph. : +91 9811437895, 9811151047, 91-11-23918117, 23916431, 23947058, 45120361**
**Email: eiribooks@yahoo.com, eiriprojects@gmail.com Website: www.eiriindia.org, www.eiribooksandprojectreports.com**

FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST)
* 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 OUTSOURCE (B.P.O.)
* 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)
* 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 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

**TERMS AND CONDITIONS**

Ask for the quotation for the required project report at

**eiritechnology@gmail.com or eiriprojects@gmail.com**

**Mob: +91 9811437895 or +91 9811151047**


**ENGINEERS INDIA RESEARCH INSTITUTE**

**Regd. Off : 4449, Nai Sarak, Main Road, Delhi - 110 006 (India)**

*** Ph: +91 9811437895, 9811151047, 91-11-23918117, 23916431, 45120361, 23947058, 64727385**

*** E-Mail : eiriprojects@gmail.com, eiribooks@yahoo.com**

*** Website: www.eiriindia.org, www.eiribooksandprojectreports.com**


**Deposit the amount in "EIRI "Account with HDFC BANK CA-05532020001279 (RTGS/NEFT/IFSC CODE: HDFC00001981) OR ICICI BANK CA - 038705000994 (RTGS/IFSC CODE: ICIC0000387) OR AXIS Bank Ltd. CA- 054010200006248 (RTGS/IFSC CODE:UTIB0000054) OR UNION BAK OF INDIA CA-307201010015149 (RTGS/NEFT/IFSC CODE: UBIN0530727) OR STATE BANK OF INDIA CA-30408535340 (RTGS/IFSC CODE: SBIN0001273) & SMS ON PH. 09811437895**

# *AVAILABLE PROCESS TECHNOLOGY BOOKS AT*
# www.eiribooksandprojectreports.com and www.eiriindia.org

Name of Books

## CHEMICALS, DYES, LUBRICATING OILS, PETRO CHEMICALS ELECTROPLATING

* 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

## GUMS, ADHESIVES & SEALANTS

* 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

## SMALL SCALE INDUSTRIES, STATIONERY, PAPER, INKS, CANDLES & EXPORT BUSINESS

* 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 Formulaes & Manufacturing Industries
* Profitable Businesses to Start for Entrepreneurs
* Modern Small & Cottage Scale Industries
* Profitable Small Cottage Tiny & Home Industries (2nd Edn.)

## 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
* Mfr. of Snacks Food, Namkeen, Pappad & Potato Products

## 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.

## 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

## 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 with Formulations
* Tech. of PVC Compounding & Its Applications
* H.B. of Polymer & Plastic Technology
* H.B. of Fibre Glass Moulding
* Techn. of Reinforced Plastics
* Plastic Additives Technology Hand Book
* Technology of PET Bottles, Preform and PET Recycling
* Modern Technology of Extrusion & Extruded Products
* Technology of Synthetic Resins & Emulsion Polymers
* Technology of Plastic Additives with Processes and Packaging
* Complete Technology Book On Identification Of Plastics And Plastic Products Materials (Additives, Applications, Biodegradation, Biomedical, Bulk Moulding Compound, Chemical Analysis, Xlpe, Drip Irrigation, Expanded Polyethylene, Polystyrene & Hdpe)
* Identification Of Plastics And Other Plastic Process Industries (Polystyrene, Nylon, Thermoplastic Elastomer, Alkyd Resin, Polypropylene Plastics, Melamine Formaldehyde Resins, Abs, Plastic Blends, Polyvinylidene Chloride Plastics, Polymer, Pipes)
* Complete Technology Book Of Plastic Processing And Recycling Of Plastics With Project Profiles
* Modern Technology Of Injection Moulding, Blow Moulding, Plastic Extrusion, Pet And Other Plastics

## 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

## AGRO CULTIVATION, ANIMAL FARMING, AGRO PLANTATION & AGRO CHEMICAL/PESTICIDES/ FLORICULTURE & BEE KEEPING

* Poultry Farm & Feed Formulae
* Hand Book of Pig Farming

# LIST OF PUBLICATIONS/BOOKS PUBLISHED BY: ENGINEERS INDIA RESEARCH INSTITUTE 4449, NAI SARAK, MAIN ROAD, DELHI - 6 (INDIA)

**Name of Books**

* Agro Based H.B. of Plantation, Cultivation & Farming
* Agro-Based Plantation Cultivation & Farming
* Agro Chemical Industries (Insecticide & Pesticides)
* Modern Bee Keeping & Honey Processing
* Technology of Modern Rice Milling and Basmati Rice
* Hand Book of Goat Farming
* Floriculture Hand Book (Flowers Growing Technology)
* Aloe Vera Cultivation, Processings, Formulations and Manufacturing Technology

## DAIRY FARM, MILK PROCESSING AND ICE CREAM

* 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

## HERBS CULTIVATION/MEDICINES

* 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)

## FOOD & AGRO PROCESS, TOMATO PROCESSING, PRESERVATION, DEHYDRATION, FRUIT BEVERAGE, POTATO, MAIZE, MEAT, BANANA

* 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
* Technology of Maize & Allied Corn Products
* Technology of Food Processing Industries
* Complete Book on Banana Cultivation, Dehydration Ripening, Processing, Products & Packaging Technology
* Agro Food Processing and Packaging Technology
* Modern Tech. of Tomato Processing & Dehydration (Ketchup, Juice, Paste, Soup & Drying)
* Technology of Food Chemicals, Pigments & Food Aroma Compd.
* Modern Technology of Agro Processing & Food Packaging Products with Project Profiles

## POULTRY FARM, HATCHERY & CHICKEN MEAT TECHNOLOGY

* Technology of Chicken Meat and Poultry Products
* Poultry Farming, Hatchery & Broiler Production
* Poultry Farm & Feed Formulae

## WOOD, PLYWOOD, PARTICLE, BOARD, BAMBOO & FOREST

* Modern Technology of Wood, Veneer, Plywood, Particle Board, Fibreboard, Bamboo & Forest Products

## SOAP, DETERGENT & ACID SLURRY

* 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

## COSMETICS TECHNOLOGY (SYNTHETIC & HERBAL)

* Cosmetics Processes & Formulations Hand Book
* Herbal Cosmetics & Beauty Products with Formulations
* Profitable Small Scale Manufacture of Cosmetics (Synthetic & Herbal)
* Hand Book of Synthetic & Herbal Cosmetics
* Technology of Herbal Cosmetics & Toiletries Products with Formulae

## OILSEEDS AND FATS

* Hand Book of Oils, Fats and Derivatives with Refining & Packaging Technology
* Technology of Oilseeds Processing, Oils & Fats and Refining

## ESSENTIAL OILS & AROMATIC

* Essential Oils Manufacturing & Aromatic Plants
* Modern Technology of Essential Oils
* Technology of Perfumes, Flavours & Essential Oils
* Essential Oils Processes & Formulations

## PERFUMES AND FLAVOURS

* 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

## SOLAR PV PANELS, ENERGY, CELLS

* Technology Of Solar Pv Panels, Energy, Cells, Lantern, Cooler, Light System, Cfl Inverter, Photovoltaic System, Power Plant, Water Heater, Collector, Solar Cooling, Refrigeration, Solar Drying, Tractor, Home System, Dish Engine, Nanotechnology & Other Solar Products Manufacturing

## BUILDING MATERIAL & CHEMICALS

* Technology of Building Materials & Chemicals with Processes

## TEXTILE, GARMENTS, DYEING...

* 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

* Spices &Packaging with Formula
* Start Your Own Cold Storage Unit

## PULP & PAPER TECHNOLOGY

* H.B.of Pulp & Paper, Paper Board & Paper Based Technology

# LIST OF PUBLICATIONS/BOOKS PUBLISHED BY: ENGINEERS INDIA RESEARCH INSTITUTE 4449, NAI SARAK, MAIN ROAD, DELHI - 6 (INDIA)

Name of Books

## NON WOVEN TECHNOLOGY

* Complete Tech. of Nonwovens Fabrics, CarryBags, Composite, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace and Absorbent Nonwoven

## PHARMACEUTICALS & DRUGS

* Pharmaceuticals and Drugs Technology with Formulations

## LEATHER & LEATHER PRODUCTS

* Hand Book of Leather & Leather Products Technology

## BIOTECHNOLOGY

* Hand Book of Biotechnology

## CERAMICS & CERAMIC PROCESS

* H.B.of Ceramics & Ceramics Processing Technology

## TREE FARMING

* Hand Book of Tree Farming

## MUSHROOM PROCESSING

* Hand Book of Mushroom Cultivation, Processing & Packaging

## BIOFERTILIZERS & VERMICULTURE

* Biofertilizers & Vermiculture

## BIODEGRADABLE PLASTICS AND POLYMERS

* Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers and Others)
* Production of Biodegradable Plastics and Bioplastics Technology

## FROZEN FOOD AND FREEZE DRYING

* Complete Hand Book on Frozen Food Processing & Freeze Drying Technology
* Modern Technology of Frozen Food Products

Name of Books

## MINERAL AND MINERALS

* Hand Book of Minerals and Minerals Based Industries

## RUBBER CHEMICALS, COMPOUNDS & RUBBER INDUSTRIES

* Rubber Chemicals & Processing Industries
* Modern Rubber Chemicals, Compounds & Rubber Goods Technology
* Technology of Rubber & Rubber Goods Industries

## AYURVEDIC MEDICINES

* Ayurvedic & Herbal Medicines with Formulaes
* Hand Book of Ayurvedic Medicines with Formulations (A Complete Hand Book of Ayurvedic & Herbal Medicines)

## STAINLESS STEEL, NON FERROUS METALS, BILLETS & ROLLING MILL

* Modern Technology of Non Ferrous Metals and Metal Extraction
* Processing Technology of Steels and Stainless Steels
* Modern Technology of Rolling Mill, Billets, Steel Wire, Galvanized Sheet, Forging & Castings
* Manufacturing Technology of Non-Ferrous Metal Products

## FOOD ADDITIVES/CHEMICALS AND SWEETENERS & FOOD EMULSIFIERS

* Modern Technology of Food Additives, Sweeteners and Food Emulsifiers
* Technology of Food Chemicals, Pigments and Food Aroma Compounds

## DISPOSABLE MEDICAL PRODUCTS

* Technology of Disposable Medical Products

## SOYA MILK, TOFU & SOY PRODUCTS

* Technology of Soya Milk, Tofu, Hydrolyzate, Allied Soyabean Products with project Profiles
* Technology of SOYBEAN Products with Formulae

Name of Books

## PRODUCTS FROM WASTE

* Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda
* Products from Waste Technology Hand Book

## WINE PRODUCTION

* Technology of Wine Production and Packaging

## ORGANIC FARMING & FOOD/NEEM

* Hand Book of Organic Farming and Organic Foods with Vermi-Composting & Neem Product

## FISH FARMING & FISHERY PRODUCTS

* Hand Book of Fish Farming and Fishery Products

## TEXTILE AUXILIARY & CHEMICALS

* Textile Auxiliaries and Chemicals with Processes & Formulations
* Technology of Textile Chemicals with Formulation
* Modern Technology of Textile Auxiliary and chemicals with formulations
* Textile Processing Chemicals, Enzymes, Dye Fixing Agents and Other Finishes with Project Profiles

## DISINFECTANTS, CLEANERS, PHENYL, DEODORANTS, DISHWASHING DETERGENTS ETC.

* Manufacture of Disinfectants, Cleaners, Phenly, Repellents, Deodorants, Dishwashing Detergents & Aerosols with Formulations

## COFFEE & COFFEE PROCESSING

* Start Your Own Coffee & Coffee Processing

## CASTING TECHNOLOGY

* Casting Technology Hand Book

## ONION DEHYDRATION

* Onion Cultivation, Dehydration, Flakes, Powder, Processing & Packaging Technology

**Send Draft in favour of "Engineers India Research Institute" (Postage Rs. 100/- Extra)**


# ENGINEERS INDIA RESEARCH INSTITUTE

**Regd. Off : 4449, Nai Sarak, Main Road, Delhi - 110 006 (India)**

*** Ph: +91 9811437895, 9811151047, 91-11-23918117, 23916431, 45120361, 23947058, 64727385**

*** E-Mail : eiriprojects@gmail.com, eiribooks@yahoo.com**

*** Website: www.eiriindia.org, www.industrialprojectreports.com**


**Deposit the amount in "EIRI "Account with HDFC BANK - 05532020001279 (RTGS/NEFT/IFSC CODE: HDFC0001981) OR ICICI BANK - 038705000994 (RTGS/NEFT/IFSC CODE: ICIC0000387) OR AXIS Bank Ltd. - 054010200006248 (RTGS/NEFT/IFSC CODE:UTIB0000054) OR UNION BAK OF INDIA -307201010015149 (RTGS/NEFT/IFSC CODE: UBIN0530727) OR STATE BANK OF INDIA -30408535340 (RTGS/NEFT/ IFSC CODE: SBIN0001273) AND JUST SMS US ON PH. +91 9811437895**

# LIST OF THE READY AVAILABLE E-BOOKS BY EIRI. CONTACT AT eiribooks@yahoo.com for price

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

***Immediate Delivery by Email, PDF Copy***

# LIST OF THE CD ROMS DEVELOPED BY: ENGINEERS INDIA RESEARCH INSTITUTE 4449, NAI SARAK, MAIN ROAD, DELHI - 6 (INDIA)

**MULTIPLE PROJECT REPORTS IN CD-ROM AT ECONOMY COSTS**

1. 5 Ginger Based Projects
2. 6 Agarbatti and Allied Projects
3. 6 Lucrative Project on Thinners
4. 7 Power Based Projects
5. 8 Mango and Mango Based Projects
6. 9 Poultry Farming, Chicken Processing and Hatchery Projects
7. 9 Tea Plantation & Processing Based Indstries
8. 9 Wheat and Wheat Projects
9. 10 Coconut & Coconut By Products
10. 10 Leather Tanning, Garments, Footwear, Chemicals Industries
11. 10 Maize & Corn Processing Projects
12. 10 Molasses Based Lucrative Projects
13. 11 InfoTech/IT Lucrative Projects
14. 11 Solar & Solar Based Products
15. 12 Mosquitoes Preventive Projects
16. 13 Fish Farming & Fishery Projects
17. 14 Potato & Potato based Projects
18. 14 Roasted/Salted Cashew Nuts, Almonds, Namkeens, Spices
19. 15 Profitable 1 to 1.5 Cr. Projects
20. 16 Multi Crores Profitable Projects (Above 50 Cr Projects)
21. 16 Food Processing & Pharma
22. 19 Multi Crores Profitable Projects (From 1-10 Cr. Projects)
23. 19 Rice Husk, Bagasse & Molasses Based Profitable Projects
24. 20 Automotives, Refrigerators/Air Conditioners, Display Coolers, Kitchen Products, Rolling Mills
25. 20 Copper & Copper Based Industry
26. 21 Bakery & Allied Projects
27. 22 Alcohol, Beer, IMFL, Country Liquor, Wine & Other Related Projects
28. 23 Canning, Dehydration, Dairy, Jatropha, Fish & Other Projects
29. 23 Dairy Farming, Dairy Products & Other Milk Processing Industry
30. 23 Injection Moulded Plastic Products
31. 23 Profitable Construction Projects
32. 24 Fruits/Veg. and Allied Food Dehydration Projects
33. 24 Lubricating Oils, Greases, Brake Oils, Bitumen, Transformer Oil, Reclamation of Used Engine Oils, Cutting Oils and Allied Projects
34. 24 Soap & Detergents
35. 25 Ayurvedic/Herbal Pharmacy and Cosmetic Products
36. 25 PVC (Polyvinyl Chloride) & PVC Based Profitable Projects
37. 26 New Educational Projects (Schools, Colleges, Training/ Management Institutes, Hostels etc.
38. 28 Fruit Juices, Food Dehydration & Allied Projects
39. 28 Multi Crores Profitable Projects (10 Cr. to 50 Cr.)
40. 28 Profitable Multcrores Projects (2 Cr. to 8 Cr.)
41. 28 Multicrore Lucrative Projects (100 Cr. to 300 Cr.)
42. 28 Surgical & Disposable Projects
43. 29 New Profitable (1.5 Cr. to 3 Cr.) Projects
44. 30 Chemicals, Mechanicals, Packaging & Other Profitable Projects
45. 31 Essential Oils, Perfumes, Flavours & Aromatic Perfumery
46. 31 Profitable Plantation, Cultivation and Farming Projects
47. 33 Sweets, Namkeen, Snacks etc.
48. 35 Gums, Adhesives & Resins Projects
49. 35 Profitable New Industries
50. 36 Printing & Allied Projects
51. 37 Aluminium & Aluminium Industry
52. 38 Biofertilizer, Biofuel, Enzyme, Organic Farming & Manure, Protein & Allied Lucrative Projects
53. 41 Plastic Extrusion and Extruder Based Industries
54. 42 Electroplating, Anodizing Projects
55. 42 Hospitality, Building Materials, Power, Steels, Alcohol & Food
56. 42 Paper & Pulp, Paper Board & Paper Converting Industries
57. 43 Automobile Parts, Gears, Polish, Petrol Pump, Components, Service Station & Other Acces.
58. 43 Iron, Steel, Casting Fabrication, Wire Drawing & Rolling Mills Projects
59. 44 Textile, Garments, Hosiery & Allied Products
60. 45 Profitable Chemicals and Allied Projects
61. 45 InfoTech/IT, Hospitility, Hospital, College, School, Medical, Entertainment Club, Ware Housing & Real Estate Projects
62. 46 Projects on Infrastructure, Real Estate, Hotels, Hospitals, Hospitility
63. 50 Electrical, Electronic & Computer/IT Based Industries
64. 52 Cosmetics (Herbal & Synthetics) Projects
65. 52 Food, Dairy, Bakery, Confectionery & Snacks Projects
66. 52 Small Scale 25 to 50 Lacs Investment Projects
67. 54 Paints, Varnish, Solvent Lacquers, Resins, Enamel Powder Coating Projects
68. 55 Profitable Products from Agro & Other Industries Wastes
69. 56 Agro Based & Food Processing Projects
70. 57 Small Scale 50 Lacs to 1 Crore Investment Projects
71. 63 Multi Crores Profitable Project (2 Cr. to Rs. 2500 Cr.)
72. 63 Packaging & Allied Projects
73. 67 Rubber & Rubber Goods Industry
74. 75 Entertainment, Infotech, Educational, Management
75. 83 Exports Oriented Units Projects
76. 92 New Lucrative Projects
77. 99 Printing & Packaging Projects
78. 100 Food Processing and Agro Based Profitable Projects
79. 100 Plastic, Polymer & Allied Projects
80. 160 New Exports Oriented Units and Most Profitable Projects
81. 212 Highly Demandable Profitable Projects

## TERMS AND CONDITIONS

Ask for the quotation for the required above mentioned Cd-Roms containing multiple project reports at **eiritechnology@gmail.com or eiriprojects@gmail.com**

**Mob: +91 9811437895 or +91 9811151047**

***Note: To avoid Courier Expenses (for overseas clients only), PDF copies can be emailed within 2 working days.***

# ENGINEERS INDIA RESEARCH INSTITUTE

**Website: www.eiriindia.org,**