

HI-TECH PROJECTS

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

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PROFITABLE INDUSTRIES FOR YOU

POWER TRANSFORMER (50 KVA TO 2000 KVA)

Over the past hundred years Transformers have played a major role in the growth of almost all industries in the world. The foundation for the ideal of a "Transformer" was laid by Michael Faraday in the year 1931. While at that time these transformers were having moving parts the present day Transformer is basically a "Static" device in the sense that they do not have any moving parts that are continuously in motion. Due to continuous efforts of physicists and engineers in the past year, Transformers, under went many changes, to keep pace with the rapid growth of electrical industries. Now there exists a variety of transformers each differing from the other in its operation, construction, size and applications. The transformer is a device that transfers electricity or energy from one electric circuit to another without change of frequency and usually, but not always, with a change in voltage.

Cost Estimation

Plant Capacity	408 Nos./Annun
Land & Building (5000 sq.mt.)	US\$ 5 Lacs
Plant & Machinery	US\$ 49 Th.
W.C. for 2 Months	US\$ 3 Lacs
Total Capital Investment	US\$ 9 Lacs
Rate of Return	27%
Break Even Point	69%

CATTLE FEED PELLETS PLANT FOR COW & BUFFALO FOR BOOSTING MILK AND GROWTH

India possesses an enormous cattle (180 million) and buffalo (61 million) population but the annual milk production has reached only about 30 million tonnes. The low milk production is primarily due to the poor potential of the animal and the lack of adequate nutrition. For the fullest exploitation of their genetic potentialities, better feeding must go hand in hand with better breeding. The principal feed resources for animal consumption in the country are crop residues like straws of wheat, rice and other cereals and stovers which are very poor in feed value. Even these are in short supply. These are supplemented to some extent by relatively better quality fodders like cultivated leguminous and non leguminous fodder grasses and concentrates.

Cost Estimation

Plant Capacity	1200 Kgs./Day
Land & Building (200 sq.mt.)	Rs. 3.50 Lacs
Plant & Machinery	Rs. 2.30 Lacs
W.C. for 1 Months	Rs. 3.10 Lacs
Total Capital Investment	Rs. 9.25 Lacs
Rate of Return	64%
Break Even Point	65%

BIODEGRADABLE/ COMPOSTABLE PLASTICS

For the last few decades, the usage of plastic increased because of its specific properties such as low cost, light weight, high strength, non-biodegradability, durability, non corrosive

nature, process ability and high energy effectiveness. Hence these plastics can be used for various application which includes household articles to aeronautic sector. Now a day it's difficult to imagine a life without plastic which are mostly derived from crude oils and natural gas. Among the various polymers, polyethylene, polypropylene and polystyrene are used greatly for food packaging, biomedical field and in agriculture.

Cost Estimation

Plant Capacity	5 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 1.44 Cr.
W.C. for 3 Months	Rs. 6.54 Cr.
Total Capital Investment	Rs. 9.85 Cr.
Rate of Return	67%
Break Even Point	29%

ACRYLIC COPOLYMER EMULSION

Acrylic emulsion polymers are used in large volumes as coatings finishes and binders for leather, inks and paper, as exterior and interior coatings in home and industry and as adhesive, laminates, elastomers, plasticizers and floor polishes. Part success and future potential stems from their inherent stability, durability pigment binding characteristics and copolymerization versatility. From this broad range, the synthesis chemist can tailor polymers composition and structure to meet customer application.

Cost Estimation

Plant Capacity	5000 Kgs./Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 1.94 Cr.
W.C. for 2 Months	Rs. 1.49 Cr.
Total Capital Investment	Rs. 5.30 Cr.
Rate of Return	64%
Break Even Point	35%

BABY NIPPLE

Silicon rubbers have been produced commercially for above 25 years the first patent being applied for in 1944. Their high cost of manufacture, the initial difficulty of achieving good physical properties and the need for special techniques were probably responsible for their technical and commercial development being, for the rubber industry on unorthodox lines. The producers did not offer the raw polymers to the rubber processor to compound himself, but rather formulated, and supplied ready - mixed materials requiring only forming, by one of the usual processes, and vulcanizing.

Cost Estimation

Plant Capacity	12500 Nos./Day
Land & Building (500 sq.mt.)	Rs. 41 Lacs
Plant & Machinery	Rs. 24 Lacs
Total Capital Investment	Rs. 95 Lacs
Rate of Return	52%
Break Even Point	47%

GUTKA MANUFACTURING

Gutka is now-a-days a very common mouth freshener. Generally it is taken by the people of all age groups. Increasing liking of people for Gutka has made its common use. Gutka is

the refined tobacco with catha, chuna, flavouring agents and perfumery compounds etc. It refreshes the mouth and gives the feeling of cold in throat when taken in small amount. Gutka is chewed either with pan or directly without any other thing. Tobacco of various grades, specified by different numbers, constitutes different proportions. The higher the grade of gutka the higher it will contain tobacco content. No variety is grown to any appreciable extent.

Cost Estimation

Plant Capacity	200 Kgs./Day
Land & Building (350 sq.mt.)	Rs. 30 Lac
Plant & Machinery	Rs. 6 Lac
W.C. for 2 Months	Rs. 26 Lac
Total Capital Investment	Rs. 65 Lac
Rate of Return	61%
Break Even Point	65%

CONFECTIONERY INDUSTRY- SEMI AUTOMATIC PLANT (TOFFEE, CANDY, CHEWING GUM, BUBBLE GUM ETC.)

Confectionery or sweetmeats are preserved edible delicacies consisting of a solid or crystalline phase and a liquid or non-crystalline phase the relative proportion of which determine the type of confectionery. The principal types of confectionery are hand boiled goods, caramel and toffee, ratin goods, comfits or draggees and lozenges. Sugar is the principal ingredient of confectionery. There are about 50 important confectionery factories in the country. Mainly in U.P. Bihar, Mumbai, Punjab and Bengal. In addition, a large number of small concerns are producing sugar confectionery with indigenous equipments.

Cost Estimation

Plant Capacity	1400 Kgs./Day
Land & Building (1100 sq.mt.)	Rs. 69 Lacs
Plant & Machinery	Rs. 52 Lacs
W.C. for 3 Months	Rs. 82 Lacs
Total Capital Investment	Rs. 2.16 Cr.
Rate of Return	19%
Break Even Point	66%

KATHA & KUTCH

Katha and cutch are produced from the heart wood of Acacia catechu. It is a common tree found in the tropical deciduous and thorn forests of India. Katha is mainly used in betel leaf (Pan) as masticatory and valued for its catechin content. Cutch the bye product of Katha industry is largely used for dyeing, colouring pulp in paper industry, water softening and in deep oil drilling operations. Katha is obtained mostly by crystallization in cold from the Katha and cutch are produced from the heart wood of Acacia water extractives of the heartwood of Acacia catechu Willd., fam. Leguminosae commonly known as Khair tree.

Cost Estimation

Plant Capacity	2 Ton./Day
Land & Building (10,000 sq.mt.)	Rs. 2.62 Cr.
Plant & Machinery	Rs. 1.26 Cr.
Total Capital Investment	Rs. 4.86 Cr.
Rate of Return	46%
Break Even Point	39%

54

PAINT, VARNISH, SOLVENTS, LACQUERS, RESINS, ENAMEL, PIGMENTS THINNER & POWDER COATING PROJECT REPORTS
Rs. 20,225/- FOR ALL 54 REPORTS IN CD

Top Industries to Start

PROJECT NAME	PROJECT COST Rs.
1. AUTOMOBILE PAINTS	23 Lacs
2. ALUMINIUM PAINT	45 Lacs
3. ACRYLIC COPOLYMER EMULSION	66 Lacs
4. ACRYLIC EMULSION PAINTS	---
5. BITUMINOUS BASED CORROSION RESISTANT CEMENT PAINT	3.15 Cr.
6. CLEAR TRANSPARENT LACQUER FOR COATING ON BRASS BANGLES TO MAKE IT WEATHER-RESISTANT	11 Lacs
7. COPPER PHTHALOCYANINE BLUE & GREEN	6 Lacs
8. DRY DISTEMPER & CEMENT PAINT	32 Lacs
9. EMULSION PAINTS	1.46 Cr.
10. ELECTROPHORIC LACQUER, POLYURETHANE (PU) LACQUER (WATER BASED) IN LIQUID FORM FOR ELECTROPHORETIC COATING APPLICATION ON METAL PLATES	91 Lacs
11. ENAMEL REMOVERS	1.07 Cr.
12. ENAMELLING OF COPPER WIRE	---
13. EPOXY RESINS	60 Lacs
14. GLASS PUTTY	19 Lacs
15. GLASS COATING SOLUTION	---
16. HAMMERTONE PAINTS	27 Lacs
17. INSULATING VARNISH	28 Lacs
18. INSULATING VARNISH (POLY VINYL BUTYRAL BASED, FFC GRADE)	15 Lacs
19. LIME COLOUR/CEMENT COLOUR (SYNTHETIC- RED IRON OXIDE)	19 Lacs
20. LACQUER EMULSION FOR LEATHER FINISHING & N.C.LACQUER FOR LEATHER FINISHING (FORMULATION & MANUFACTURING PROCESSES)	---
21. NAPHTHA BASED THINNER	23 Lacs
22. N.C.PUTTY	38 Lacs
23. N.C. THINNERS USED IN AUTOMOBILES	21 Lacs
24. OIL-BOUND DISTEMPER PAINTS	10 Lacs
25. PAINT INDUSTRY	15 Lacs
26. PAINT REMOVERS	31 Lacs
27. PAINT DRIERS	80 Lacs
28. POWDER COATING PAINTS	37 Lacs
29. PAINT AND REDUCER	22 Lacs
30. PRIMER PAINTS, ENAMEL PAINTS & DISTEMPER	1.07 Cr.
31. POWDER COATING	36 Lacs
32. PRIMER PAINTS & ENAMEL PAINTS	1.07 Cr.
33. POLY VINYL ACETATE EMULSION	17 Lacs
34. PIGMENTS BINDERS FOR TEXTILE PRINTING	26 Lacs
35. PUTTY AND WATER PROOFING PAINT	12 Lacs
36. PHENOL FORMALDEHYDE RESIN	26 Lacs
37. POLY AMIDE RESIN	61 Lacs
38. REFRACTORY PAINT (GRAPHITE BASED)	6 Lacs
39. RED OXIDE PIGMENTS	---
40. STOVING PAINT	57 Lacs
41. SILICONE EMULSION FOR TEXTILE	66 Lacs
42. STAINER FOR PAINTS	---
43. SOLVENTS & THINNERS	30 Lacs
44. TEXTURE PAINTS	23 Lacs
45. THINNERS	30 Lacs
46. THINNERS (ETHYL ALCOHOL BASED)	73 Lacs
47. THINNERS (WHITE SPIRIT BASED)	26 Lacs
48. UREA FORMALDEHYDE RESIN	27 Lacs
49. UNSATURATED POLYESTER RESINS (FLAME-RETARDING TYPE)	3.15 Cr.
50. VARNISH (CLEAR) FOR WOOD	28 Lacs
51. WOOD PRIMER FOR PAINTS	36 Lacs
52. WALL PUTTY	20 Lacs
53. WIRE ENAMEL	16 Lacs

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 54 Project Reports is Rs. 20,225/- or US\$ 500/-. 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).

PACKAGING OF PROCESSED MAKHANA

Packaged Processed Makhana have got tremendous demand in India and Abroad. These are food products having no historical background & becomes in market and in social & cultural synonym as the society became more advanced. The main raw materials for these products are Raw Makhana, Refined Oil, Salt, Flavours and assorted Spices. The raw material are frequency available in India in Darbhanga in Bihar and in surrounding area. This food products get abroad market in foreign countries in Central and South America, European Countries and African Countries. Hence, there are a lot of scope and market of these products & therefore, it will provide a very much profitable business.

Cost Estimation

Plant Capacity	200 Kgs./Day
Land & Building (5000 sq.ft.)	Rs. 46 Lacs
Plant & Machinery	Rs. 21 Lacs
W.C. for 3 Months	Rs. 72 Lacs
Total Capital Investment	Rs. 1.47 Cr.
Rate of Return	71%
Break Even Point	32%

KRAFT PAPER FROM WASTE PAPER

Paper production requires a disintegration of the bulky fibraes material to individual or small agglomerate fibres. This is called pulping. The ideal fibre for high grade paper should be long, high in cellulose content and low in lignin content. Most ideal raw materia for paper products is bamboo. Other saurces are bagasse and hardwoods like jute stick must be developed and good quality paper pulp make by blending with bamboo fibre.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (15000 sq.mt.)	Rs. 8 Cr.
Plant & Machinery	Rs. 12 Cr.
W.C. for 3 Months	Rs. 5 Cr.
Total Capital Investment	Rs. 27 Cr.
Rate of Return	17%
Break Even Point	70%

PRE STRESSED CONCRETE PIPES

Prestressed Concrete Pipe cater to intermediate pressure range for which the metallic pipes are expensive while RCC pipes would not be suitable. The strength of a P.S.C pipe is achieved by helically binding high tensile steel wire under tension around a concrete core there by putting the core into compression. When the pipe is pressurised the stresses induced relieve the compressive stress but they arae not sufficient to subject the core to tensile stresses. The prestressing wire is protected against corrosion by a surround of cementitious cover coat giving at least 25mm of cover. P.S.C competes economically with steel for pipe diameters of 600 mm and above. It is a unique combination of durability of concrete and high strength of

steel combined with economy in raw materials. The P.S.C pipes are ideally suited for water supply mains where pressures in the range of 6 Kg/cm2 to 20 Kg/cm2 are encountered.

Cost Estimation

Plant Capacity	60 Nos./Day
Land & Building (2.5 Acres)	Rs. 3 Cr.
Plant & Machinery	Rs. 1.46 Cr.
W.C. for 2 Months	Rs. 8.19 Cr.
Total Capital Investment	Rs. 13 Cr.
Rate of Return	47%
Break Even Point	31%

PHARMACEUTICAL UNIT WITH CHEMICALS, TABLET, CAPSULES, SYRUPS, LOTION ETC.

The development of Indian Drugs and pharmaceuticals Industry was not commonsurate with the size of this country and the growing needs of people, when Indian embarked on its planned economic expansion industry has been substantial and many sides with the result that it has becomes one of the leading industries. India is now producing a larger quantity of varied pharmaceuticals products.

Cost Estimation

Land & Building (6000 sq.mt.)	Rs. 5.20 Cr.
Plant & Machinery	Rs. 76 Lacs
W.C. for 2 Months	Rs. 1.10 Cr.
Total Capital Investment	Rs. 7.28 Cr.
Rate of Return	67%
Break Even Point	40%

SOLAR MODULES

As the name, itself suggests solar cell is made from two words, solar & cell. Cell means the device to provide the direct current power supply & Solar means the device operated by the energy received from sun. The Solar Cell is the device which, converts the light energy into the electric energy. Viewing the increasing cost of fuel & coal, pollution produced by the thermal power station operated by either coal or fuel, initial capital investment for nuclear power plant & the difficulties regarding the disposal of nuclear waste, all these power generating sources are very inconvenient & trouble some for near future. One more point which diverts our attention from the thermal power plants, using coal, fuel & atomic energy as energy sauces, is its limitation on the earth.

Cost Estimation

Plant Capacity	14 Nos./Day
Land & Building (250 sq.mt.)	Rs. 12 Lacs
Plant & Machinery	Rs. 20 Lacs
W.C. for 3 Months	Rs. 35 Lacs
Total Capital Investment	Rs. 72 Lacs
Rate of Return	25%
Break Even Point	64%

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25 PVC (POLY VINYL CHLORIDE)
& PVC BASED PROFITABLE PROJECTS
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PECTIN FROM ORANGE PEELS

Orange peel is separated out and processed for making pectin from (Orange peel is very high in pectin), or the peel can be sold to another business that makes candied peel or marmalade. Here, in this project, The pectin is being manufactured from Orange peels. Pectin is a natural fibre which is used as a thickener in many foods and beverages. Cellulose fibril constituting plant cell wall requires certain other materials for cementing them into definite structural form of plant organs.

Cost Estimation

Plant Capacity	384 Kgs./Day
Land & Building (5000 sq.mt.)	Rs. 2.23 Cr.
Plant & Machinery	Rs. 1.13 Cr.
W.C. for 3 Months	Rs. 1.26 Cr.
Total Capital Investment	Rs. 4.79 Cr.
Rate of Return	36%
Break Even Point	43%

G.I. PIPE

Galvanised iron pipes (G.I. Pipes) are widely used in industry, domestic water supply lines and in many other construction purposes. These pipes play a key role in water supply to the houses. As per requirements they are obtained in various sizes and wall thickness. They are in such versatile use that they can be seen easily every where in industry and residential areas. They are made of mild steel in general and galvanized to protect from corrosion and soil attack because of their best reasonable cost and long life, they are most popular.

Cost Estimation

Plant Capacity	15 Ton./Day
Land & Building (5000 sq.mt.)	Rs. 2.63 Cr.
Plant & Machinery	Rs. 1.30 Cr.
W.C. for 3 Months	Rs. 3.49 Cr.
Total Capital Investment	Rs. 7.66 Cr.
Rate of Return	38%
Break Even Point	52%

SILICONE OIL

Silicone is a man-made chemical that is put to use in a staggering number of industries and applications. It is created by combining the naturally occurring element silicon with carbon, hydrogen, oxygen and various other chemical elements to yield the desired results. It is a valuable product because it offers some high-quality properties that allow it to be used where other products fail. It was first formally discovered in the 1930s, but it was ten years later that it earned the name of silicone and began to be put to use in many commercial applications. Today it appears in everything from cookware and toys, to automobiles and shampoo.

Cost Estimation

Plant Capacity	500 Kgs./Day
Land & Building (1000 sq.mt.)	Rs. 49 Lacs
Plant & Machinery	Rs. 15 Lacs
W.C. for 3 Months	Rs. 60 Lacs
Total Capital Investment	Rs. 1.28 Cr.
Rate of Return	30%
Break Even Point	49%

GALVANIZING PLANT FOR STRUCTURES (FOR TOWERS)

Galvanizing plant for structures (for towers) comprising galvanizing angles and channels takes recourse to Hot Dip Galvanizing process, involving pickling, fluxing, spher & galvanizing. Structural towers are commonly fabricated with four columns, although either eight or twelve columns are sometimes used, for large elevated tanks. The columns of towers are commonly made of two channels, braced top and bottom, with top cover plate and bottom lacing of a built H-section made of plates and angles or a rolled H-section. Struts are made of built channels, or of angles, or of plates and angles. The diagonal bracing is commonly made of rods with adjustable devices or turn buckles.

Cost Estimation

Plant Capacity	4 MT./Day
Land & Building (2000 sq.mt.)	Rs. 92 Lacs
Plant & Machinery	Rs. 48 Lacs
Total Capital Investment	Rs. 2.56 Cr.
Rate of Return	28%
Break Even Point	53%

SANITARY NAPKINS AND BABY DIAPERS (AUTOMATIC IMPORTED PLANT)

Baby diaper may be a newly developed product for India, where as for European countries it has become a general necessity for newly born child caretaking. It was developed & marketed by a swedish firm some time in the year 1958. As a matter of fact a diaper is used for wrapping the newly born or pretty young children who have not get developed the fixed routine for making water or latrine. He or she may discharge at any time which creates a lot of trouble to his mother or caretaker. Who has no convenient place or time to attend the baby while for an outing, shopping, going to movies or friends & relatives. To avoid all trouble they just wrap their babies with the diaper & baby may discharge whenever he feels to. It can retain the wetting for about two hours or so.

Cost Estimation

Plant Capacity	102500 Pcs./Day
Land & Building (2000 sq.mt.)	Rs. 1.31 Cr.
Plant & Machinery	Rs. 56 Lacs
Total Capital Investment	Rs. 3.05 Cr.
Rate of Return	75%
Break Even Point	40%

EXTRACTION OF APRICOT OIL (CHULLI)

Apricot stones/seeds otherwise thrown as a waste were utilized for extraction of oil for both edible and pharmaceutical purposes. Apricot fruits containing 11.7-22.2% stones with about 32% kernels give an oil yield of 46.1-47.2%.

Cost Estimation

Plant Capacity	61 Bottles (250g)/Day
Land & Building (250 sq.mt.)	Rented
Plant & Machinery	Rs. 5 Lacs
Total Capital Investment	Rs. 9 Cr.
Rate of Return	134%

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

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COAL WASHING

UNIT

Coal is a combustible solid, usually stratified. It is formed by the burial of partially decomposed vegetable in past geological ages. Detailed Project Report is available @ Rs. 20,000/- with EIRI. www.eiriindia.org

Cost Estimation (All Fig. in Lacs)

Plant Capacity	4000 MT./Day
Land & Building (7 Acres)	Rs. 470 Lacs
Plant & Machinery	Rs. 1226 Lacs
Total Capital Investment	Rs. 3413 Lacs
Rate of Return	71%
Break Even Point	26%

Start Your Own Industry

CALCIUM CARBONATE (PRECIPITATED AND ACTIVATED)

These two forms of calcium carbonate differ in respect of coating which the former does not have and later has. Both the forms of calcium carbonate are being used in various industries as filler or extender, thus assumes crucial importance in chemical and allied industries. PVC Rubber, denitrific, cigarette paper, printing ink, pharmaceutical are some of the calcium carbonate using industries. In this offer we have considered the product mix of Precipitated Grade which could cover very wide range of grades in terms of Particle Size, Shape and Distribution. It will be possible to vary any of the three physical properties alongwith other physical properties, such as Bulk Density, Flow Point, Viscosity, as required by individual customers as per their need. We have also considered 40 Tons per day capacity Activated Calcium Carbonate with different coating arrangement as well as sophisticated Pressure Filtration and Drying System to ensure the quality product.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (4000 sq.mt.)	Rs. 3 Cr.
Plant & Machinery	Rs. 2 Cr.
W.C. for 1 Months	Rs. 25 Lacs
Total Capital Investment	Rs. 6 Cr.
Rate of Return	27%
Break Even Point	58%

B.P.O. AND CALL CENTRE

First of all it is necessary to understand what is outsourcing. Outsourcing encompasses a wide range of services, from a particular project to a technical domain to all activities. A successful outsourcing project is only possible if the outsourcing decision has taken into consideration all known costs and benefits associated with the project. It is also important that the contract be effectively negotiated and managed. Business Process Outsourcing (BPO) is an appropriately structured arrangement between an Organization and an Outsourcing supplier to perform services, which were otherwise conducted in-house.

Cost Estimation

Land & Building (1800 sq.mt.)	Rs. 3.42 Cr.
Plant & Machinery	Rs. 6 Cr.
W.C. for 2 Months	Rs. 2.76 Cr.
Total Capital Investment	Rs. 12.61 Cr.
Rate of Return	121%
Break Even Point	39%

COPPER ROD WIRE DRAWING AND PVC WIRE & CABLES

Copper wire, having higher electrical conductivity, is mostly used in electrical and electronic appliances. Copper wire is having

Patrons, deposit amount in EIRI Account

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abundant uses such as in household wirings and electric motors. Copper is a high reactive element. It reacts with oxygen and thus oxide layer is formed on the surface and so it is corrosion-resistant. Copper is having good mechanical properties, viz, good malleability and formability which makes fabrication easy, it can be easily welded or soldered. The melting temperature of copper is 10830C hence wires of various copper base alloys can also be drawn.

Cost Estimation (All Fig. in Lacs)

Plant Capacity	15 Ton./Day
Land & Building (6000 sq.mt.)	Rs. 332 Lacs
Plant & Machinery	Rs. 267 Lacs
W.C. for 3 Months	Rs. 5645 Lacs
Total Capital Investment	Rs. 6280 Lacs
Rate of Return	77%

METALLIC STEARATE BY PRECIPITATION AND FUSION PROCESS

Stearates of aluminium, calcium, magnesium and zinc are known as driers and metallic soaps. It has long been established that the metal or cation of the metallic soap is the active principle which accelerates the oxidation and polymerization reactions associated with the drying of oils. As many as twenty four metals are known to have activity, but the soaps of cobalt, manganese, lead, iron, calcium, zinc and zirconium account for the major share of present-day-use. Of these cobalt, manganese, lead and iron soaps are the primary driers. Calcium, zinc and zirconium soaps alone do not promote drying. They are useful only in conjunction with one or more of the primary driers and thus are termed auxiliary driers. The organic or a main portions of the metallic soaps used as driers act as carrying and salubilizing agents. Because of their stability, excellent salability and low cost, soaps based on naphthenic acid, tall oil and 2- ethylhexoic acid account for the major portion of the driers in use today. Driers made with resin, oleic and linoleic acids have declined in use, but are still manufactured for special purposes. Driers based on newly available synthetic, tertiary organic acids have been developed.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (3000 sq.mt.)	Rs. 1.38 Cr.
Plant & Machinery	Rs. 70 Lacs
W.C. for 3 Months	Rs. 4.50 Cr.
Total Capital Investment	Rs. 6.70 Cr.
Rate of Return	50%
Break Even Point	32%

COOLANT (ENGINE)

Engine Coolant is a mixture of various types of glycols and highly formulated & researched various corrosive inhibitors. De-mineralized water is mixed with the coolant as per suggestion and used in the engine-radiator cooling system to remove excess heat of engine. The purpose of Coolant is to remove excess heat produced from the engine operation, to control corrosion and scaling,

antifreeze and boil over the radiator water. So many years ago water was used to reduce the temperature. Water is an effective heat transfer fluid but it boils at very low temperature., highly corrosive and format scaling. It impure the cooling liquid by accumulating corrosive and scaled waste. So it chocks up tubes of radiator and finally engine overheats.

Cost Estimation

Plant Capacity	200 Ltr./Day
Land & Building (350 sq.mt.)	Rs. 17 Lacs
Plant & Machinery	Rs. 7 Lacs
Total Capital Investment	Rs. 38 Lacs
Rate of Return	28%

SCHOOL OF FOREIGN LANGUAGES

Foreign language courses are designed to meet the fundamental objectives of learning Japanese language, namely to obtain the vocabulary and grammar of Japanese, to comprehend Japanese, to communicate in day-to-day social situations, to demonstrate one's interest in Japan - her culture, people and life and to make business contacts and friends. The faculty of JLS has been trained to guide the student to understand important Japanese and customs behavioural norms, both on business and social fronts. School provides students with specially developed text books written in Roman alphabets - in the same it is done the world over. Text books are supplemented by reading material, home assignments and audio tapes. Additional material is provided to students for learning basic script which is later followed by prescribed reading material for advanced courses.

Cost Estimation

Plant Capacity	13 Class/Day
Land & Building (1000 sq.mt.)	Rs. 51 Lacs
Plant & Machinery	Rs. 50 Lacs
Total Capital Investment	Rs. 1.25 Cr.
Rate of Return	27%

BOTTLING PLANT (IMFL & COUNTRY LIQUOR) FROM RECTIFIED SPIRIT

Gin, vodka and related spirits like aquarit are distinguishable from whisky, rum and brandy which themselves have a number of common characteristics. The most evident difference is in colour, with gin a vodka normally being colourless white whisky, rum and brandy vary in shade from straw-coloured to the deepest brown. This immediate difference is linked with distinguishing features of composition and flavour which are reflected in the methods of production of the two troupe of spirits.

Cost Estimation

Plant Capacity	1000 Cases/Day
Land & Building (39000 sq.ft.)	Rs. 2.15 Cr.
Plant & Machinery	Rs. 64 Lacs
Total Capital Investment	Rs. 3.88 Cr.
Rate of Return	11%
Break Even Point	69%

Top Industries to Start

ROTOGRAVURE PRINTING (FOR FLEXIBLE PACKAGING)

A pouch is similar to a bag except it is simpler in constructions and is made from roll stock, filled and sealed on automatic high speed machinery. There are many possible variations of pouch sizes, shapes and compositions. Few general types can be described. Pouches can be defined as vertical or horizontal, depending on how they are formed. Vertical pouches are made by drawing one or two webs downward a forming mandrel, sealing one or two seats to form a tube and adding a top and bottom seal for closure than one side seal is used and centured, it is called a pillow type.

Cost Estimation

Plant Capacity	1 MT./Day
Land & Building (2400 sq.mt.)	Rs. 1.56 Cr.
Plant & Machinery	Rs. 81 Cr.
Total Capital Investment	Rs. 4.28 Cr.
Rate of Return	22%
Break Even Point	56%

L.P.G. BOTTLING PLANT

Through out the commercial life time of a hydrocarbon fuel, from production at the wheelhead to combustion in chamber, considerations of fuel storage movement, loss, safety and contamination apply. These are determined largely by the properties of the fuel itself and are therefore controlled by suitable property specifications. They are also influenced significantly by the design of the handling equipment, the procedures adopted and in some cases by the use of appropriate fuel additives. Bulk petroleum and hydrocarbons generally are most commonly stored in cylindrical tanks of welded steel construction up to about 100.000 Ton capacity mounted vertically on simple formulations of rubble and sand bituminmix.

Cost Estimation

Plant Capacity	10000 Cylinders/Day
Land & Building (10,000 sq.mt.)	Rs. 11.50 Cr.
Plant & Machinery	Rs. 2.30 Cr.
W.C. for 2 Months	Rs. 5.67 Cr.
Total Capital Investment	Rs. 27.51 Cr.
Rate of Return	56%
Break Even Point	25%

BIO TECHNOLOGY LABORATORY AND TRAINING INSTITUTE

Bio Technology is based on the catalytic activities of cells, either intact cell or extract from them. Bio-Technology training is needed to fill the void between the curriculum of a the oretical education and the practical demand of depending on your speciality. R & D validation regulation, processing or manufacturing in the biotechnology field. Furthermore, proper biotechnology training is essential due to the complexity and inherent uncertainty of using living organisms as production system to manufacture complex biologically active protein.

Cost Estimation

Plant Capacity	40 Students/Month
Land & Building (3000 sq.ft.)	Rs. 47 Lacs
Plant & Machinery	Rs. 8 Lacs
Total Capital Investment	Rs. 62 Lacs
Rate of Return	15%
Break Even Point	62%

DECORATIVE LAMINATED SHEET (SUNMICA)

The material is intended for interior use. The specification applies to sheets in which the only filter is paper and does not cover sheets with a core of any other material covered by this report is not intended for load bearing applications. In India three types of decorative and industrial laminated sheets or products are being manufactured usually using phenol formaldehyde or melamine formaldehyde or other phenolic resins as binding materials for the core and the surface papers.

Cost Estimation

Plant Capacity	1600 sq.mt./Day
Land & Building (2000 sq.mt.)	Rs. 2.31 Cr.
Plant & Machinery	Rs. 1.56 Cr.
Total Capital Investment	Rs. 7.24 Cr.
Rate of Return	55%

VEGETABLES FRESH AND FROZEN

Preservation of foods by drying them is perhaps the oldest method known. Large quantities of fruits are dried in the sun in different parts of the world such as Asia Minor, Greece, Spain, and other Mediterranean countries, Arabia, Afghanistan, Australia, etc. The modern method of dehydration, i.e. drying fruits and vegetables under controlled conditions of temperature and humidity is, however, assuming importance as a major industry.

Cost Estimation

Plant Capacity	5 MT./Day
Land and Building (2 Acres)	Rs. 2.43 Cr.
Plant & Machinery	Rs. 1.61 Cr.
Total Capital Investment	Rs. 5.75 Cr.
Rate of Return	25%
Break Even Point	57%

E.R.W. STEEL PIPES & TUBES

Pipes and tubes find use in almost all the industries/services in one way or the other. Automobile vehicles use metallic pipes, including steel pipes, of a large variety. Gas/water/liquids transporting pipes are spread everywhere. Irrigation, petroleum products, sewerage, chemicals transportation pipes and those used in mines, public water supply networks, are well known. Hydraulic piping divided into (i) rigid & (ii) flexible classes.

Cost Estimation (All Fig. in Lacs)

Plant Capacity	60 MT/Day
Land and Building (10,000 sq.mt.)	Rs. 481 Lacs
Plant & Machinery	Rs. 566 Lacs
W.C. for 3 Months	Rs. 2176 Lacs
Total Capital Investment	Rs. 3575 Lacs
Rate of Return	84%
Break Even Point	29%

BEER INDUSTRY

Among the alcoholic drinks, Beer is quite common and popular in almost every Country of the World. People of different Countries take beer in varying much like a soft drink in European Countries it is just a substitute of water. The alcoholic contents and main source stuff also keep varying according to the tests of the major part of population of the particular country although it is a fashion to ask for beer of every origin in every Country. Formulations of beer manufacturing are done with the view of availability of the raw materials in that particular part of the World where the brewery is proposed to be established.

Cost Estimation

Plant Capacity	5000 KL/Annum
Land and Building (5 Acres)	Rs. 1 Cr.
Plant & Machinery	Rs. 15.30 Cr.
W.C. for 3 Months	Rs. 2.63 Cr.
Total Capital Investment	Rs. 23.42 Cr.
Rate of Return	48%
Break Even Point	44%

AUTOMATIC BREAD AND BISCUIT PLANT

Modern days are changes with the advance of scientific discovery. Due to the scarcity of time now human beings changes their food habits. No body can pay much more time for their preparation of food, every body wants to get ready made fresh food, such that human being can save their time. They do not want to loss their valuable time in the preparation of daily food. By this thining now a days these different kind of food materials developed, like instant tea, instant coffee, instant milk, instant rice etc.

Cost Estimation

Land and Building (4000 sq.mt.)	Rs. 1.63 Cr.
Plant & Machinery	Rs. 60 Lacs
W.C. for 3 Months	Rs. 1.84 Cr.
Total Capital Investment	Rs. 4.24 Cr.
Rate of Return	63%
Break Even Point	30%

SUGARCANE JUICE IN TETRAPACK

Sugarcane juice in tetra pack must be a demandable product as there are few units which are producing mango juice, guava juice, mixed juice and orange juice in tetra packs but not sugar cane. Tetrapack sugar cane juice will fetch the good market as this is a new concept for our country. Preservation is done when Juice or food is kept for longer period without any deteriorated or spoils the juice by the direct contact with atmosphere.

Cost Estimation

Plant Capacity	20000 Nos./Day
Land & Building (3 Acres)	Rs. 1.91 Cr.
Plant & Machinery	Rs. 12.75 Cr.
W.C. for 1 Months	Rs. 36 Lacs
Total Capital Investment	Rs. 15.46 Cr.
Rate of Return	19%
Break Even Point	65%

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Best Industries to Start and Grow

STEEL FABRICATION WORKSHOP

A standard steel fabrication workshop consists of a shed with (L x W x H) 100m x 20m x 12m and all facilities for fabricating all kinds of universal steel. It includes, steel shearing, punching, forming, welding, rolling, sandblasting, plasma cutting and painting. It can be used in making structural steel and equipment. Such as, Flats, Angles, T Bars, Channels, Angle, Posts, Universal Beams & Columns, Sub Floor Access Doors, wide flange columns and beams, structural HSS and channel shapes, welded wide flange, deep girder beams, open web steel joists, etc. Planning is a continuous movement towards desired goals. While preise formulation of our five year plans objectives have varied from plan-to-plan, the essential goals have remained unchanged. The model on which our goals are based, emphasize the production of basic materials viz. Coal, Iron & Steels, Power, Non-Ferrous materials, Fertilizers, agricultural impliments and growth of heavy industries. These basic materials ensure self-reliant development of the nation.

Cost Estimation

Land & Building (2000 sq.mt.)	Rs. 1 Cr.
Plant & Machinery	Rs. 33 Lacs
W.C. for 3 Months	Rs. 82 Lacs
Total Capital Investment	Rs. 2.25 Cr.
Rate of Return	108%
Break Even Point	28%

AUTOMOBILE WORKSHOP/GARAGE

A limited nos. of manufacturers of various types of automobile vehicles in India had their limited capacities of production e.g. Ashok Leyland, Tata Motors, Models designs were changed rarely. Hence these vehicles either could not attract or could not reach the aspiring purchasers. A revolution has come in the automobile industry with the introduction of light vehicles manufactured by Four-Wheelers Manufacturers. Swaraj Mazda, More & more enterprises are coming up with new designs, research and development, consequently more no. of vehicles are produced.

Cost Estimation

Land & Building (966.54 sq.mt.)	Rs. 69 Lacs
Plant & Machinery	Rs. 16 Lacs
W.C. for 3 Months	Rs. 33 Lacs
Total Capital Investment	Rs. 1.24 Cr.
Rate of Return	21%
Break Even Point	59%

EGG TRAY FROM PULP

Egg Tray is becoming an eminent item these days for housing eggs in a safer packing schedule manner and their demand is increasing day by day. Among all the food

Patrons, deposit amount in EIRI Account
STATE BANK OF INDIA
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products egg is a very common and important item which used in almost every meal and in every refreshment. It is neither considered fully vegetarian, nonvegetarian, and hence both the classes of the people consume it largely. The market scenario of egg trays is suggestive of their good prospects. The consumption and demand of eggs is increasing day by day and the exact data of consumption can not be given. But it can be said by studying the present market trend that the supply of eggs is less than the demand and there is a wide gap in between the two which is not possible to fill in near future.

Cost Estimation (All Fig. in US\$)

Plant Capacity	20000 Nos/Day
Land and Building (2000 sq.mt.)	US\$ 3.25 Lacs
Plant & Machinery	US\$ 86 Th.
W.C. for 3 Months	US\$ 52 Th.
Total Capital Investment	US\$ 5.04 Lacs
Rate of Return	22%
Break Even Point	59%

CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQUID)

Cashew nut shell liquid or oil obtained by heat treatment contains about 10% cardol and about 90% cardanol (a vessicant oil liquid) resulting from decarboxylating anacordic acid and its polymers. Formerly, a moister product of the cashew kernel industry in southern India, Cashew nut shell oil has become a valuable raw material in the manufacture of many industrial product.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (1000 Sq.Mt.)	Rs. 83 Lacs
Plant & Machinery	Rs. 34 Lacs
W.C. for 3 Months	Rs. 3.86 Cr.
Total Capital Investment	Rs. 5.10 Cr.
Rate of Return	39%
Break Even Point	36%

HARD ANODISED PRESSURE COOKERS AND UTENSILS

Pressure Cookers are conventionally made of Aluminium Alloys sheet or Circles. In Recent years stainless steel has penetrated into this field. As stainless steel is not thermaly so efficient as Aluminium, the latest trends towards manufacture of Pressure Cookers with Copper clad bottom of pressure cookers. In every family utensils of different metals are used made of steel, Brass, Aluminium, Copper etc. More over utensils of every metals has a definite significance of its own but aluminium utensils are especially used by lower class people Because It is light, quite reasonable and with high heat bearing capacity.

Cost Estimation

Land & Building (500 Sq.Mt.)	Rs. 87 Lacs
Plant & Machinery	Rs. 45 Lacs
W.C. for 3 Months	Rs. 2 Cr.
Total Capital Investment	Rs. 3.41 Cr.
Rate of Return	75%
Break Even Point	38%

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Start Your Own Industry

POLYOL USED FOR POLYURETHANES

Polyols are higher molecular weight materials manufactured from an initiator and monomeric building blocks. They are most easily classified as polyether polyols, which are made by the reaction of epoxides (oxiranes) with an active hydrogen containing starter compounds, or polyester polyols, which are made by the polycondensation of multifunctional carboxylic acids and hydroxyl compounds. They can be further classified according to their end use as flexible or rigid polyols, depending on the functionality of the initiator and their molecular weight. Taking into account functionality, flexible polyols have molecular weights from 2,000 to 10,000 (OH# from 18 to 56). Rigid polyols have molecular weights from 250 to 700 (OH# from 300 to 700). Polyols with molecular weights from 700 to 2,000 (OH# 60 to 280) are used to add stiffness or flexibility to base systems, as well as increase solubility of low molecular weight glycols in high molecular weight polyols.

Cost Estimation

Plant Capacity	20 Tons/Day
Land & Building (10,000 Sq.Mt.)	Rs. 5.27 Cr.
Plant & Machinery	Rs. 2.76 Cr.
W.C. for 3 Months	Rs. 10.98 Cr.
Total Capital Investment	Rs. 19.19 Cr.
Rate of Return	82%
Break Even Point	20%

OXYGEN AND NITROGEN GAS PLANT

Oxygen (O₂, gas at Oo/1 matm., 1.429 g./l; crit. temp., 118o.8; crit. pressure, 49.7 atm.) is a colorless, odourless, and tasteless gas, somewhat heavier than air. It is one of the most active elements and plays an essential part in the respiration of living cells and in combustion. It is by far the most abundant elements; it forms 21% by volume of the atmosphere and eight-ninths by weight of water; it occurs as silicates in the earth's crust. Oxygen occurs usually in the form of diatomic molecules but triatomic ozone is also found. As for nitrogen, chemical fertilizer makers used it for synthesis of ammonia and production of calcium cyanamide through installation of their own nitrogen separators. In recent years, however, the characteristics of nitrogen as inactive gas have come to be utilized by the petrochemical, textile, electronic and other industries as atmospheric gas. In addition, the range of use of nitrogen has expanded as it added frozen food stuff industry as a new user.

Cost Estimation

Plant Capacity	1600 M3/Day
Land and Building (1280 sq.mt.)	Rs. 1.47 Cr.
Plant & Machinery	Rs. 1.82 Cr.
W.C. for 3 Months	Rs. 53 Lacs
Total Capital Investment	Rs. 6.50 Cr.
Rate of Return	15%
Break Even Point	68%

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CALCIUM SILICATE

Calcium silicate is mainly used as an antiooking agent in dust formulations (Mainly DDT wettable formulation), as filler in rubber industry and also as in insulation material. Calcium silicate is extensively used in pharmaceutical compounds such as absorbants and acid etc. Calcium silicate hydrates are some times also used for decolourising and purifying sugar solutions, fermented beverages and mineral oil. There are a variety of calcium silicates. Calcium silicate that have an approximate composition cao 5sio. 1.8H2o is used in bulk quantity in the rubber industry as filler as its particles size is not suitable for rubber compounding. Calcium silicate is manufactured from sodium silicate. Hydrochloric Acid and Lime. No ISI standard yet. But main tests are oil absorption and water absorption tests for insecticide formulations.

Cost Estimation

Plant Capacity	5 MT./Day
Land and Building (4000 sq.mt.)	Rs. 2.98 Cr.
Plant & Machinery	Rs. 93 Lacs
W.C. for 3 Months	Rs. 4.82 Cr.
Total Capital Investment	Rs. 9 Cr.
Rate of Return	70%
Break Even Point	27%

TOUGHENED GLASS

Toughened glass is a type of soda-lime-silica glass with a sheet thickness 4-12 mm. The sheet has a central tensile stress of 500-1200 kg/cm2 and a ratio of surface compressive stress to central tensile stress of 2:1 to 4:1. The article is toughened by heat exchange with an oil (or chilled air) in which these is maintained from 0.01 - 0.07% liquid. The boiling point liquid may be an organic liquid such as carbon tetrachloride, methanol, benzene, toluene, trimethyl alcohol, ethyl alcohol or Xylene etc. The toughened glass is described as a type of glass which has been mechanically strengthen by a thermal process in which a layer of compression has been introduced at the surface. There are several glass items introduced into early ages of the century. Toughened safety glass (float or polished) is produced by subjecting glass to a process of heating and rapid cooling so as to induce high compressive stresses in the surface sones balanced by high tension in the central place.

Cost Estimation

Plant Capacity	2000 Sq.Ft./Day
Land and Building (6000 sq.mt.)	Rs. 4.92 Cr.
Plant & Machinery	Rs. 1.75 Cr.
W.C. for 2 Months	Rs. 6.36 Cr.
Total Capital Investment	Rs. 13.92 Cr.
Rate of Return	53%
Break Even Point	34%

HUMIC ACID

Humic Acid is a bio-chemical which is a very complex mixture of organic constituents which have their counterpart in biological tissue of plants. It is a brown polymeric constituent of soils lignite and beat. It contains brownish-black pigment melanin and peat. Humic Acid acts

as a chelating agent a growth stimulant and catalyst and buffer against harsh conditions in the soil affecting the plants. It unlocks and chelates major and minor nutrients for plant uptake. In the absence of chelates in the Soil, Iron, Zinc, Manganese, Copper and Magnesium are converted to insoluble hydroxides. It keep trace elements in solution available for growing plants. It buffers high and low pH's to allow nutrient uptake to less than optimum conditions. Humic Acid has the ability to resist a change in the hydrogen ion concentration. Thus buffering capacity ranges between 5.5 and 6.5. It contains wide variety of major and trace elements several amino acid and has pH of not less than 7.0.

Cost Estimation

Plant Capacity	2 Ton/Day
Land and Building (1000 sq.mt.)	Rs. 92 Lacs
Plant & Machinery	Rs. 6 Lacs
W.C. for 3 Months	Rs. 52 Lacs
Total Capital Investment	Rs. 1.70 Cr.
Rate of Return	29%
Break Even Point	46%

CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID

Castor oil obtained by a combination of pressing and extraction from the seeds of the castor oil plant (Ricinus communis) consists of upto 90% of triglyceride of ricinoleic acid, 12 hydroxy oleic acid. The hydroxyl number of castor oil is 161-169. The component glycerides of castor oil (% mole) comprise saturated-diricinoleins (7.3%) oleo-diricinoleins (2.5%) Linoleo diricinoleins (13.4%), Dihydroxy Stearo diricinoldins (2%) Triricinolein (74.8%). More important the non-drying ricinoleic acid in the castor oil can be dehydrated to give a drying oil i.e. dehydrated castor oil.

Cost Estimation

Plant Capacity	20 MT/Day
Land and Building (3000 sq.mt.)	Rs. 1.96 Cr.
Plant & Machinery	Rs. 88 Lacs
Total Capital Investment	Rs. 10.65 Cr.
Rate of Return	76%
Break Even Point	25%

FROZEN FOOD BY IQF TECHNOLOGY

Individual Quick Freezing (I.Q.F.) is the latest technology available in freezing and with the advent of the same, it is now possible to preserve and store raw fruit and vegetables in the same farm-fresh condition for more than a year, with the color, flavor and texture of produce remaining as good as fresh from the farm.

Cost Estimation

Plant Capacity	24 MT/Day
Land and Building (2 Acre)	Rs. 2.27 Cr.
Plant & Machinery	Rs. 6.75 Cr.
Total Capital Investment	Rs. 13.07 Cr.
Rate of Return	101%
Break Even Point	29%

Best Industries to Start and Grow

POTATO POWDER

The potato is a starchy, tuberous crop from the perennial *Solanum tuberosum* of the Solanaceae family (also known as the nightshades). The word potato may refer to the plant itself as well as the edible tuber. In the region of the Andes, there are some other closely related cultivated potato species. Potatoes were first introduced outside the Andes region four centuries ago, and have become an integral part of much of the world's cuisine. It is the world's fourth-largest food crop, following rice, wheat, and maize. Long-term storage of potatoes requires specialized care in cold warehouses. Wild potato species occur throughout the Americas, from the United States to Uruguay. The potato was originally believed to have been domesticated independently in multiple locations, but later genetic testing of the wide variety of cultivars and wild species proved a single origin for potatoes in the area of present-day southern Peru (from a species in the *Solanum brevicaulis* complex), where they were domesticated 7,000-10,000 years ago.

Cost Estimation

Plant Capacity	5 Ton/Day
Land & Building (3000 sq.mt.)	Rs. 3.52 Cr.
Plant & Machinery	Rs. 2.14 Cr.
W.C. for 3 Months	Rs. 5.42 Cr.
Total Capital Investment	Rs. 11.54 Cr.
Rate of Return	36%
Break Even Point	59%

ZINC SULPHATE MONOHYDRATE

Zinc sulphate is a widely used chemical and has been known under the name of "White Vitriol". Although Zinc Sulphate (mono hydrate) occurs in nature in small quantities as mineral Glosarite, this compound is normally manufactured synthetically. It is the colourless white free flowing powder. It exists in powder form of hydrates as, $ZnSO_4 \cdot H_2O$. Zinc sulphate is also found in three hydrates forms whose molecular formula's are $ZnSO_4 \cdot 4H_2O$, $ZnSO_4 \cdot H_2O$. The unstable hydrates are more soluble than stable form. The solubility of the unstable hydrate is 58.7 gm in 10 gm of water at 18°C while stable shows only 52.7 gm in 100 grams. It was also shown that the response of zinc sulphate was good for rice potato tea in particular and for all the cereals as a whole.

Cost Estimation

Plant Capacity	50 MT./Day
Land & Building (5000 sq.mt.)	Rs. 7.38 Cr.
Plant & Machinery	Rs. 2.78 Cr.
Total Capital Investment	Rs. 21.21 Cr.
Rate of Return	74%
Break Even Point	24%

BIOFERTILIZER [EIRI-1429]

The fertilizers are used to improve the fertility of the land using biological wastes, hence the term biofertilizers, and biological wastes do not contain any chemicals which are detrimental to the living soil. They are extremely beneficial in enriching the soil with those micro-organisms, which produce organic nutrients for the soil and help combat diseases. The farm produce does not contain

traces of hazardous and poisonous materials. Thus those products are accepted across the world as Organic ones. Hence for organic farming the use of biofertilizers is mandatory. In India the requirement of fertilizers is steeply increasing every year and is mainly supplied in the form of chemical fertilizers. Chemical fertilizers mainly Urea, D.A.P. Super Phosphate, Potash, Zinc Sulphate etc. are being used since long back to boost the crop production which has adverse effects on soil biota thereby increasing the cost of cultivation. It also causes health and environmental hazards alongwith decline in productivity and quality of produce.

Cost Estimation

Plant Capacity	1.50 Ton./Day
Land & Building (Area 4 Acres)	Rs. 2.86 Cr.
Plant & Machinery	Rs. 1.08 Cr.
W.C. for 1 Months	Rs. 48 Lacs
Total Capital Investment	Rs. 4.60 Cr.
Rate of Return	38%
Break Even Point	50%

M.S. BILLETS [EIRI-1433]

M.S Billet which is the main raw material of Iron & Steel finished products, e.g. T.M.T Bars, angles, channels and sections etc. used in construction activities. Con-cast plant can be simply defined as a mill that carries con-cast process in which the molten steel is poured into ladle mould to perform the gradual solidification of metal into desired forms and shapes. Swiftly, the molten metal is solidified and is drawn down the caster. This gradually gets transformed into a solid steel billet, bloom or slab.

Cost Estimation

Plant Capacity	64 MT./Day
Land & Building (Area 5000 sq.mt.)	Rs. 3.58 Cr.
Plant & Machinery	Rs. 8.05 Cr.
W.C. for 2 Months	Rs. 11.15 Cr.
Total Capital Investment	Rs. 24 Cr.
Rate of Return	60%
Break Even Point	40%

NUT, BOLTS, RIVETS AND WASHERS [EIRI-1452]

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

Cost Estimation

Plant Capacity	3 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.29 Cr.
Plant & Machinery	Rs. 82 Lacs
Total Capital Investment	Rs. 2.72 Cr.
Rate of Return	30%
Break Even Point	64%

ALLOY WHEELS MANUFACTURING PLANT [EIRI-1455]

The wheel is a mechanical device, which provides rotary motion by means of a disk or circular frame revolving on an axis. The steel wheel can be used in heavy load and traction services. The size and contour of a specific wheel design is based on the load it must carry and the space limitations of the equipment on which it is used. The contour of the wheel is normally composed of five parts: the hub, plate, rim, tread & flange. Classifications based on the service to which the wheels are applied are defined as: 1. Industrial car wheels for use on various cars such as those used in mining, railroads and transfer cars; 2. Crane truck wheels, for use in traveling, gantry, bridge cranes and floor-type changing and drawing machines; 3. Railroad freight car wheels, used according to their capacity and application, and 4. Heavy duty wheels, for use under railroad and electric railway cars, rapid transit passenger cars and locomotives.

Cost Estimation

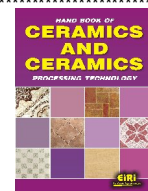
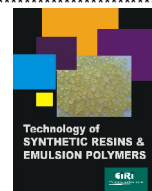
Plant Capacity	5000 Nos./Day
Land & Building (8000 sq.mt.)	Rs. 5.81 Cr.
Plant & Machinery	Rs. 8.84 Cr.
W.C. for 2 Months	Rs. 41.72 Cr.
Total Capital Investment	Rs. 57.30 Cr.
Rate of Return	109%
Break Even Point	30%

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	5.00 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%



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

☛ **MARKET SURVEY** : Market Position, Installed Capacity Production, Anticipated Demand, Present Manufacturers, Statistics of Imports & Exports, Estimated Demand, Demand & Supply Gap (If available), L1/L1 Issued Recently

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

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

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

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

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

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

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- * COPPER SULPHATE FROM COPPER ASH/SCRAP
- * CHELATED ZINC (ZN-EDTA) 12%
- * ORTHOPAEDIC IMPLANTS AND INSTRUMENTS
- * BARLEY MALT
- * MINERAL TURPENTINE OIL (M.T.O.) FROM PETROLEUM (SUPERIOR KEROSENE OIL OR OTHER MATERIAL)
- * M.S.FASTENERS AND S.S. FASTENERS
- * P.V.C. COMPOUNDING (FRESH) FOR CABLES AND PVC PIPES
- * BANANA FIBRE EXTRACTION AND HAND MADE PAPER BANANA & ITS BY PRODUCTS
- * COLOUR AND ADDITIVES MASTERBATCHES
- * METALLIC STEARATE
- * SURGICAL METHYLATED SPIRIT
- * KHADSARI SUGAR (500 TCD)
- * COTTON (RUI) FROM WASTE

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

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

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<ul style="list-style-type: none"> * STEEL FABRICATION * STEEL ROLLING MILL (REINFORCEMENT BAR) * ACRYLIC BATH TUB BY ACRYLIC SHEET * FABRICATION OF HEAT EXCHANGER * KITCHEN PRODUCTS MADE OF STAINLESS STEEL * ALUMINIUM BEVERAGE CAN * STEEL ROLLING MILL (BY INDUCTION FURNACE FROM STEEL SCRAP & SPONG IRON * M.S. BILLET CASTING WITH INDUCTION FURNACE FROM STEEL SCRAP & SPONGE IRON * PROCESSING OF LOW GRADE TUNGSTEN ORE FULL BODY & CHASSISS BUS PLANT * ASSEMBLY OF AIR – CONDITIONER/CHEST FREEZER/REFRIGERATOR * G.I.LADDER & PERFORATED TRAYS * ALUMINIUM DOORS & WINDOWS (ALUMINIUM FABRICATION) * LEAF SPRINGS FOR TRACTOR DRAWN TROLLEYS & FOUR WHEELER TEMPOS * STEEL BRIGHT BARS * AUTOMOTIVE ENGINE VALVE * AUTOMOTIVE BRAKING SYSTEM * DISPLAY COOLER * ERW STEEL PIPES & TUBES * STEEL INGOTS * TMT STEEL BARS (SARIYA) * AUTOMOBILE TRACTORS * ACTIVATED ALUMINA BALLS * ALUMINIUM FOIL * STONWARE PIPE (S.W.PIPE)/ CLAY PIPE * IRON ORE PELLETIZATION * ELECTRIC CONTROL PANEL * SOLAR PV POWER PLANT * MACHINE SHOP (FOR OIL AND GAS ENGINEERING INDUSTRY, AEROSCAPE ENGINEERING INDUSTRY) * STEEL BRIGHT BARS * CEILING FAN * COPPER STRIP COILS FROM SCRAPS * PRODUCTION OF PV PANELS (SOLAR PV PANELS) * ROTARY AIR LOCKS, SCREW CONVEYOR, MOTORIZED/ PNEUMATIC DAMPER, FLAP VALVES, AIR SLIDES REQUIRED IN CEMENT PLANTS AND THERMAL POWER PLANT * ALUMINIUM EXTRUSION 	<ul style="list-style-type: none"> * ALUMINIUM COIL COATING FOR ACP AND ROOFING IND. * PAVING BLOCK * WIRE NAILS * TMT STEEL BARS * FASTENERS/NUT & BOLTS (INDUSTRIAL &AUTOMOBILE) * HYDRAULIC CYLINDERS * DISPOSABLE SYRINGES WITH NEEDLE PLANT * FABRICATION UNIT (PRESSURE VESSEL, REACTOR VESSEL & AGITATORS, HEAT EXCHANGERS) & SEAMLESS PIPES AND TUBES * COPPER POWDER FROM COPPER SCRAP * STONE CRUSHER * PRODUCTION OF ALL TYPES OF FANS SUCH AS AXIAL FANS,CENTRIFUGAL FANS (SMOKE EXTRACT FANS & FRESH AIR SUPPLY FANS), BATHROOM FANSETC. * STONE MINING * MAHINDRA CAR DEALERSHIP WITH AUTOMOBILE SERVICE STATION/GARAGE * AUTO FILTERS (AIR FILTERS, OIL FILTERS & FUEL FILTERS) * AAC & ACSR ALUMINIUM CONDUCTORS * MANGANESE ORE JIGGING * STEEL TRANSMISSION LINE TOWERS AND ROLLING MILL TO PRODUCE STEEL SECTIONS * FERRO SILICON (FROM MINERAL INGREDIENTS) STAINLESS STEEL TUBES * M.S.FASTENERS AND S.S. FASTENERS * PREFABRICATED STEEL FRAMED BUILDING MANUFACTURING PLANT * LEAD ACID BATTERY * GALVANISED WIRE * POWER TRANSFORMER (50 KVA TO 2000 KVA) * M.S. PIPE * GALVANISED IRON SHEETS * M.S.BILLETS * STEEL GRATING (GALVANISING ELECTRO FORGED STEEL GRATING) * ALLOY WHEELS PLANT * ESTABLISHMENT OF MANUFACTURING OF REFRIGERATING APPLIANCE * WELDED WIRE MESH * ALUMINIUM COLD ROLLING MILL FOR SHEETS & CIRCLES * ALUMINIUM ROLLING MILL FOR MANUFACTURING ALUMINIUM CIRCLES 	<ul style="list-style-type: none"> REQUIRED FOR PRESSURE COOKERS, NON STICK COOKWARES & CIRCLES * LPG CYLINDER * ALUMINIUM COMPOSITE PANNELS * DEEP FREEZER ENVIRONMENTAL CLEARANCE FOR EXPANSION OF INGOTS/ BILLETS PLANT * FERRO SILICON BY SMELTING PROCESS * ALUMINIUM CONDUCTOR * PRESTRESSED CONCRETE POLES * FASTENERS (NUT & BOLT) USED IN OIL AND GAS * ALUMINIUM ALLOY PLANT * STAINLESS STEEL SINKS * ALUMINIUM ALLOY PLANT * P.V.C BATTERYSEPARATOR * AUTOMOTIVE TYRE AND TUBE VALVES (VALVES MANUFACTURING) * PRESSURE COOKWARE ALUMINIUM, STAINLESS STEEL & HARD ANODIZED * ELECTRIC WATER HEATER * SOLAR WATER HEATER DOMESTIC & INDUSTRIAL * CORRUGATED COLOURED ROOFING GALVANISED IRON SHEET * PRESSURE DIE CASTING * G.I.WIRE AND BARBED WIRE * G.I.WIRE & M.S. BINDING WIRE * HOT DIP GALVANIZING PLANT FOR STRUCTURAL STEEL AND PIPES * COLD ROLLING MILL * DOOR HINGES (MILD STEEL AND STAINLESS STEEL) * PRESSURIZED AEROSOLS (LIKE BODY SPRAYS, PERFUMES, SHAVING FOAM AND SHAVING LOTIONS ETC.) * ANHYDROUS SODIUM DITHIONITE PRODUCTION (SODIUM FORMATE PROCESS) * SODA ASH PLANT (FROM SOLUTION BRINE) * SISAL FIBRE REINFORCED * CEMENT ROOFING SHEET * HIGH ALUMINA REFRACTORY BRICK PLANT * CATHETERS MANUFACTURING * SURGICAL RUBBER DISPOSABLE GOODS 	<ul style="list-style-type: none"> * POULTRY AND HATHERY FARMING * MILK PROCESSING PLANT * ROASTED, SALTED ALMONDS, PEANUTS FOR PACKING IN 25g, 50g,250g & 500g SACHET-S * BEER FROM POTATOES * GUAR GUM POWDER * AUTOMATIC WHITE BREAD MAKING PLANT * AUTOMATIC BISCUIT MAKING PLANT * FROZEN FOOD BY IOF TECHNOLOGY * WALNUT PROCESSING PLANT * WHIPPING CREAM FRUITS & VEGETABLES POWDER UNIT (EXPORTS ORIENTED UNIT) * NATURAL MEDICINE & RESEARCH INSTITUTE WITH 150 BEDS HOSPITAL * PACKAGED DRINKING WATER (PACKED IN 330 ml CUP, 500ML BOTTLE, 1500 ML BOTTLE AND 20 LTR. JAR) * COLD STORAGE (CONTROLLED ATMOSPHERE OR CA) FOR POTATO CAP: 1,00,000 BAGS (50 Kg/Bag), STORING CAP: 5000 Mt, SOLVENT EXTRACTION & REFINING (SOYABEAN) (Cap- 250mt/day & 50mt/Day oil Refining) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKS, GIN) FROM RECTIFIED SPIRIT/ENA LUBE OIL BLENDING AND GREASES PLANT * COLD STORAGE FOR POTATO 1,00,000 BAGS (50 KG/BAG) * MAIZE FLOUR & BY PRODUCT MANUFACTURING PLANT * CUT FLOWER (GLADIOLI, MARGIGOLD, STATICE, CHRYSANTHEMUM ROSE WITH GREEN HOUSE) * CATTLE FARMING AND DAIRY PRODUCTS * COLD STORAGE FOR POTATO AND OTHER HORTICULTURE PRODUCTS Cap:- 5000 Mt or 100000 Bags (50 Kg/Bag) * DEXTROSE PLANT * SBR RUBBER SHEETS AND SHOE MANUFACTURING * CASHEW NUT PROCESSING * PLYWOOD AND PLYBOARD PARTICLE BOARD AND LAMINATED PARTICLE BOARD * VENEER MAKING, PLYWOOD & PLYBOARD MAKING * WALNUT & PINUS(CHILGOZA) OIL, SHELL POWDER PROCESSING PLANT * COUNTRY LIQUOR BOTTLING PLANT (1,00,000 BOTTLES/ DAY)
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<ul style="list-style-type: none"> * PLASTIC GRANULES FROM PLASTIC WASTE * ROPE AND SUTLI MAKING PLANT * BOTTLING PLANT (COUNTRY LIQUOR) 10,000 LTRS./DAY) * I.V. FLUID (FFS OR BFS TECHNOLOGY) * TOXIN PAN MASALA, TOBACCO LESS GUTKHA AND ZARDA * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * UPVC DOORS & WINDOWS FABRICATING PLANT (Fixing and Installation of Door and Windows of uPVC profiles) * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * MEDICAL COLLEGE WITH 750 BEDS HOSPITAL FACILITY * MICRO IRRIGATION PRODUCT MANUFACTURING PLANT * HOT DIP GALVANIZING MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * CEMENT TILES, CANAL LINE SLAB, KERV STONE, PAYER RCC PIPE, MANOHOLE COVER,ENTERLOCKING ETC. MANUFACTURING PLANT * MEDICAL COLLEGE (100 STUDENT INTAKE CAP. MEDICAL COLLEGE WITH 500 BED HOSPITAL) * ESTABLISHMENT OF A PRIVATE UNIVERSITY * DIGITAL INKS * GALVANIZING PROCESS PLANT FOR ELECTRICAL POLES * MAIZE PROCESSING PLANT * STARCHES / MODIFIED STARCHES/ LIQUID GLUCOSE / DEXTROSE MONOHYDRATE /GLUCOSE SYRUPS / CORN SYRUP SOLIDS / HIGH MALTULOSE CORN SYRUPS / MALTO DEXTRINE POWDER / CORN GLUTEN MEAL (60%) MAIZE OIL / SORBITOL. * BABY CARE PRODUCTS * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * BOTTLING OF WHISKY * UPVC DOORS & WINDOWS PROFILES * EPDM RUBBER PROFILES * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * FAST FOOD RESTAURANT WITH CENTRALISED KITCHEN 	<ul style="list-style-type: none"> * READY MADE GARMENT (T-SHIRT/POLO GOLFERS/ WOVEN SHIRTING & SUITING FOR UNIFORMS/SWEATERS) MANUFACTURING * BIO-DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA * FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN * GUAR SPLIT POWDER AND OTHER BY PRODUCTS * SOLVENT EXTRACTION PLANT (COTTON SEED) * RASGULLA MANUFACTURING AND CANNING * CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMNT * MAIZE & BY PRODUCTS PROCESSING -STARCH MODIFIED STARCHES/LIQUID GLUCOSE/DEXTROSE MONOHYDRATE/GLUCOSE SYRUPS/CORN SYRUP SOLIDS/HIGH MALTULOSE CORN SYRUPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQVID * INTEGRATED SCRAP YARD * POTATO STARCH * MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKA, GIN) FROM RECTIFIED SPIRIT/ENA * COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING MILK/DAY CAP-50,000 LTR/DAY * WHEAT FLOUR MILL * CHAKKI FLOUR MILL * I.V. FLUID (FFSTECHNOLOGY) * LIQUID GLUCOSE FROM POTATOES * SORBITOL FROM MAIZE STARCH * WALNUT PROCESSINGPLANT * SOLVENT EXTRACTION AND OIL REFINERY CUM PACKING OF RICE BRAN OIL * COTTON SEED OIL SOLVENT EXTRACTION PLANT * MARINE TRAINING INSTITUTE & PLACEMENT SERVICE PROVIDING AGENCY * I.V.FLUID (FFS TECHNOLOGY) * CERAMIC FIBERS, CERAMIC 	<ul style="list-style-type: none"> FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * COLD SUPPLY CHAIN * LAMI TUBE MANUFACTURING * EYE DROP 3 PIECES (PLASTIC VIALS) * PET BOTTLES (CAMBER/ CLEAR IN COLOUR) CAP: 15ML,60ML 100ML,135ML, 200ML & 500ML * BENZYL ALKONIUM CHLORIDE (BKC) * NATURAL SUGAR WAX * MARGARINE BUTTERFROM VEGETABLE OIL * GREEN HOUSE FOR CROP PRODUCTION * ORGANIC DAIRY FARMING * E-WASTE * BIO-DIESEL FROM ALGAE * VANADIUM PENT OXIDE GRAPHITE MINING AND BENEFICIATION PLANT * VITAMIN WATER * PET PREFORM CUM PET BOTTLES * ORGANIC DAIRY FARMING AND PRODUCING WHOLE MILK POWDER (WMP) * HDPE BOTTLES * CAUSTIC SODA FROM SODIUM CHLORIDE * COAL TAR PITCH * MOSQUITO REPELLANT * WRIST BAND * CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID * PAPAINE FROM PAPAYA * PROCESSED CHEESE * MONOCHLORO BENZENE * EUGENOL FROM CINNAMON OIL * SULPHUR 80% WDG * CERAMIC FIBERS, CERAMIC FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * SCREEN PRINTING * DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE & HAIFA PROCESS * PVC FLEXIBLE PIPE * FLEX BANNER USED IN DIGITAL PRINTING * PIGMENTS BINDERS FOR TEXTILE PRINTING * POULTRY & HATCHERY FARM * ALOEVERA JUICE AND GEL * LIME PUTTY * AUTOMOBILE WORKSHOP/ GARAGE * EGG TRAY FROM PULP * CARDANOL FROM C.N.S.L. * OXYGEN GAS 	<ul style="list-style-type: none"> * POLYALUMINIUM CHLORIDE * NAMKEEN INDUSTRY (BHUIJA, CHANACHUR ETC.) * POLYOL USED FOR POLYURETHANES * POLYSTYRENE POLY PROPYLENE OXIDE * DIETHYL PHTHALATE * UREA FORMALDEHYDE AND MELAMINE * FORMALDEHYDE MOULDING POWDER * INSTANT COFFEE * ANNATTO SEED COLOUR EXTRACTION * FRUITS AND VEGETABLES DRYING BY (FREEZE DRYING METHOD) * BIO GAS PRODUCTION AND BOTTLING PLANT * JAM, JELLIES, FRUIT JUICE AND ALLIED PRODUCTS * MATERNITY NURSING HOME * CANNING & PRESERVATION OF VEGETABLES * CURCUMIN & TURMERIC OIL FROM TURMERIC * DETERGENT WASHING POWDER (ARIEL TYPE) * GRANITE SLAB AND TILES * TEA PACKAGING * PAN MASALA & GUTKHA * PRESTRESSED CONCRETE ELECTRIC SHOES * LEATHER SHOES * ROTOGRAVURE PRINTING (FOR FLEXIBLE PACKAGING) * AUTOCLAVED AERATED CONCRETE BLOCKS * OXYGEN AND NITROGEN GAS PLANT * MANGANESE ORE BENEFICIATION * MINERAL WOOL * CALCIUM SILICATE * TOUGHENED GLASS * HUMIC ACID * OFFSET PRINTING UNIT (5 COLOUR) * CASTOR OIL AND ITS DERIVATIVES OLEORESIN * TISSUE PAPER PULPING FROM SAW DUST * KNITTED GLOVES * RADIATOR COOLANT * LATEX FOAM RUBBER (SPONG RUBBER) * GARLIC OIL AND POWDER * ACTIVATED CARBON & SODIUM SILICATE FROM PADDY/ RICE HUSK * TRIETHYLENE GLYCOL * RAMMING MASS * WOOD PEELING & VENEER MAKING * PETROLEUM JELLY * DAIRY FARM (COW & BUFFALO) TO PRODUCE
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Highly Profitable Projects for New Entrepreneurs “EIRI Market Survey Cum Detailed Techno Economic Feasibility Reports”

<ul style="list-style-type: none"> MILK & PACKAGING IN POUCHES * CUTTING OIL LIQUID GOLD (IN PASTE FORM) * P.V.C. LEATHER CLOTH (REXINE) * COAL TAR DISTILLATION * ALUMINIUM LABEL PRINTING * FOLDING CARTNS/MONO CARTONS * SURGICAL DISPOSABLE GLOVES (DIPPED RUBBER GOODS) * AGRICULTURAL CHEMICAL (PLANT GROWTH PROMOTER AND PLANT GROWTH REGULATOR) * MENTHOL BOLD CRYSTALS FROM MENTHOL FLAKES * ORGANIC FARMING * CORRUGATED POLYCARBONATE SHEET * COLD STORAGE * FLAT PVC LAMINATED * SAFTY GLASS/TOUGHENED GLASS * PLASTIC GRANULES FROM WASTE * DRY WALL PUTTY (WHITE CEMENT BASED) * CHARCOAL BRIQUETTE * OXALIC ACID FROM MOLASSES * POTATO GRANULES * SANITARY NAPKINS & BABY DIAPERS * CORRUGATED BOXES * PLASTER OF PARIS * RUBBER ROLLER FOR PRINTING MACHINE * LACTIC ACID * EMERY PAPER (SAND PAPER) * RUBBER RECLAIM SHEET FROM USED BUTYL TYRE AND TUBE * MANGO PULP * PARTICLE BOARD FROM BAGASSE AND RICE HUSK * TOILET PAPER & NAPKINS * TENDER COCONUT WATER * CALCIUM CARBONATE * LIME CALCINATION PLANT * INJECTION MOULDED PLASTIC COMPONENTS * HYDRATED LIME * BLACK PEPPER * MULTIAXIAL GLASS FABRIC * LIQUID TOILET CLEANER (HARPIC TYPE) * LIME & PRECIPITATED * CALCIUM CARBONATE * LIQUID GLUCOSE FROM BROKEN RICE 	<ul style="list-style-type: none"> * MEDICAL DISPOSABLE PLASTIC SYRINGES * METAL POLISHING BAR * SANITARY NAPKINS & BABY DIAPERS * PERFUMES/ATTAR * GEMS AND JEWELLERY * MULTIAXIAL GLASS FABRIC * ACTIVE ZINC OXIDE * COPPER PHTHALOCYANINE * TURMERIC OIL EXTRACTION FROM DRY TURMERIC * CNSL BASED RESIN IN LIQUID & POWDER FORM BOPP FILM * BETA IONONE * BIO-FERTILIZER * ZINC & COPPER SULPHATE * PAPER BASED PHENOLIC SHEET (FOR ELECTRICAL APPLIANCE) * THINNERS (WHITE SPIRIT BASED) * SINGLE SUPER PHOSPHATE & SULPHURIC ACID * MONO CALCIUM PHOSPHATE & DI-CALCIUM PHOSPHATE FLEXIBLE PU. FOAM * ASPIRIN * SORBITOL FROM MAIZE STARCH * SPICE OIL & OLEORESIN * ANTI-FOAMING AGENT (SILICONE BASED) FOR DISTILLERY, SUGAR, PAPER PLANT ETC. * LAUNDRY & DRY CLEANER * BRICKS FROM STONE DUST * CARBOXY METHYL STARCH * TITANIUM DIOXIDE * UNDECYENIC ACID * PSA BASED NITROGEN GENERATOR * SYNTHETIC IRON OXIDE * PVC INSULATION TAPE * TAMARIND KERNEL POWDER * ORGANIC CHEMICAL & SOLVENTS * PLASTICIZERS * ICE PACK (SOLUTIONS TYPE, VIOLET-SEMI SOLID POLYMER TYPE) * GUM FROM TAMARIND * PEARL SUGAR CANDY (MISHRI) * GOAT & SHEEP FARMING * GYPSUM PLASTIC BOARD (AUTOMATIC PLANT) * NON-WOVEN INDUSTRY (CARRY BAGS, SURGICAL GOWN, FACE MASK, ROUND CAPS, SHOE COVER, GLOVE) * COTTON SPINNING, SIZING, 	<ul style="list-style-type: none"> YARN, DYEING & WEAVING * CALCIUM CHLORIDE * AMINES & ALLIED PRODUCT * SPINNING COTTON * SILICONE FROM RICE HUSK * ADHESIVE (FEVICOL TYPE) * CAUSTIC SODA FROM ELECTROLYSIS * CAMPHOR TABLETS * CERAMIC GLAZED WALL AND FLOOR TILES * ZINC SULPHATE MONO * ETHANOL (BIO FUEL) FROM RICE STRAW * GYPSUM MOULDING AND GYPSUM BOARD * SMOKELESS COAL * ACID (SILICA) AND BASIC RAMMING MASS * UNSATURATED POLYESTER RESINS * DAIRY (BUFFALO) FARMING SILICONE FROM RICE HUSK * N-ACETYL THIOZOLIDINE-4-CARBOXYLIC ACID (NATCA) * PE BASED CARBON BLACK COMPOUND * ONION DEHYDRATION * PVC PIPES & FITTING * GLASS REINFORCED * GYPSUM MOULDINGS ABSORBENT COTTON & SURGICAL BANDAGES * CALCIUM STEARATE BY FUSION PROCESS * MANGO POWDER & OTHER FREEZE DRIED PRODUCTS * MENTHOL OIL FROM LEAVES AND MENTHOL * CRYSTALS (PEPPERMINT) MANUFACTURE OF CELLULOSE ACETATE * ANTIFOAMING / DEFOAMING AGENT * ALOEVERA CULTIVATION & PROCESSING * SYNTHETIC MAGNESIUM SILICATES * EPHEDRINE HYDROCHLORIDE * ACTIVATED BLEACHNG EARTH * TECHNICAL TEXTILES * FORMALIN FROM METHANOL * CATIONIC SOFTNER (STEARIC ACID BASED) * PRECIPITATED SILICA * PU BASED FOOT WEARS * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE) * HDPE MONO FILAMEN NET * POTATO & ONION FLAKES 	<ul style="list-style-type: none"> * DUSTLESS CHALK (SCHOOL CHALK) * TOMATO POWDER * BIODEGRADABLE / COMPOSTABLE PLASTICS * ACRYLIC CO POLYMER EMULSION * ESTER GUM (FOOD GRADE) * PROTEIN BASED FOAMING AGENT * LECITHIN (SOYA BASED) * SOYA OIL AND CATTLE FEED FROM SOYA BEAN * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS * CELL CAST ACRYLIC SHEET * ACRYLIC BATH TUB AND SHOWER TRAY * THERMOCOLE BASED DISPOSABLE PLATES * SODIUM SILICATE FROM RICE HUSK * ETHYL METHACRYLATE * SODIUM LAURYL ETHER SULPHATE * LATEX GLOVES, CONDOMS & CATHETER * CALCIUM NITRATE GRAIN BASED ALCOHOL DISTILLERY * BULK DRUGS * MARBLE QUARRYING * CULTIVATION OF CAPSICUM IN GREEN HOUSE * SULPHUR 90% WDG * EGG POWDER * WOOD PLASTIC * COMPOSITE BOARD LINE * SODIUM LAURYL SULPHATE AND SODIUM LAURYL ETHER SULPHATE * FISH PROCESSING * BABY CEREAL FOOD & MILK POWDERS (BABY FOOD) * GUR (JAGGERY) * DAIRY PRODUCTS * CHLORINATED PARAFFIN WAX (CPW) * HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST) * HANDWASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING
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Market Survey Cum Detailed Techno Economic Feasibility Report on all Projects are available contact:

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<p>FORMULA OF DIFFERENT TYPES QUALITIES (LOW/MEDIUM/HIGH COST)</p> <ul style="list-style-type: none"> * DIGITAL PHOTOPAPER/INKJET PHOTOPAPER * KAOLIN FOR ROAD MAKING * PEPPERMINT CULTIVATION & PROCESSING * PEPPERMINT CULTIVATION & PROCESSING * HDPE PIPE * ACTIVATED CARBON FROM RICE HUSK * HT & LT INSULATOR, HT AIR BRAKE SWITCH D.O. FUSE, LIGHTENING ARRESTOR * PET BOTTLES IN CAP: 500ML, 1 LTR, 2 LTRS, 5 LTRS, USED FOR PACKAGED DRINKING WATER, EDIBLE OILS * ALCOHOLIC BEVERAGES (COUNTRY LIQUOR & IMFL) * QUARTZ BASED INDUSTRIES (QUARTZ POWDER SILICA SAND SILICA RAMMING MASS FUSED SILICA) * BEEIDI (BIDI) BY MACHINE * RICE SHELLER * FRUIT RIPENING CHAMBER * MINERAL WATER AND PET BOTTLING PLANT * DIAGNOSTIC LAB AND * ONLINE TRADING BUSINESS * CEREAL MILLING * MINI OIL PLANT SUITABLE FOR GROUNDNUT OIL AND COTTON SEED OIL * CHANACHUR, BHUJIA, GANTHIA (AUTOMATIC PLANT) * KHADYA SURAKSHA (FOOD SECURITY) * PLASTIC WATER STORAGE TANKS * ZINC SULPHATE, MONOHYDRATE & HEPTA HYDRATE * CIGARETTE MANUFACTURING UNIT * CATTLE FEED PELLETS PLANT FOR COW & BUFFALO FOR BOOSTING MILK AND GROWTH * TYRE RECYCLING UNIT * PAPAIN EXTRACTION INDUSTRY * CAKE SHOP * BUSINESS PROCESS 	<p>OUTSOURCE (B.P.O.)</p> <ul style="list-style-type: none"> * EMPTY HARD GELATINE CAPSULES * BIOFERTILIZER * PLASTIC MOULDING UNIT (CHAIR, TABLES & VEGETABLE TRAYS) * GOLD POTASSIUM CYANIDE (G.P.C.) * HDPE, PVC & CPVC PIPES AND FITTINGS * NO CARB PASTE (ANTICARBURIZING PASTE-WATER SOLUBLE) FOR HEAT TREATMENT * CONVERSION WASTE PLASTIC WITH TYRE INTO ACTIVATED CARBON AND INDUSTRIAL FUEL * PYROLYSIS PLANT FROM PLASTIC & RUBBER * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS * AGAR AGAR * NAIL POLISH * PLASTIC GRANULES FROM WASTE * AGARBATTI SYNTHETIC PERFUMERY COMPOUNDS & AGARBATTI COMPOUNDS LIKE (CHAMPA, MOGRA, SANDAL WOOD & LOBAN) * PET PREFORM AND PET JARS (20 LTRS CAPACITY) * KRAFT PAPER FROM 100% WASTE PAPER * PRIVATE UNIVERSITY * LIQUID GLUCOSE AND MALTODEXTRIN FROM BROKEN RICE * DRY WALL PUTTY (WHITE CEMENT BASED) * CONSTRUCTION CHEMICALS OT PASTE * FUSED SILICA FROM SILICA SAND * BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS) * CONFECTIONERY UNIT (TOFFEE, CANDY /LOLLIPOP CHEWING GUM, BUBBLE GUM CHOCOLATE) * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR MODIFIED RESINS) 	<ul style="list-style-type: none"> * EPDM RUBBER PROFILES (WEATHER STRIPS, INDUSTRIAL MONOSTRIPS ETC) * GRANITE CUTTING AND POLISHING UNIT (100% EOU) * SURGICAL COTTON, ROLLER BANDAGE, CREPE BANDAGE & PLASTER CART (READY MADE) E.G. GYPSONA 3M CART * ENTERTAINMENT CLUB, HOLIDAY RESORT, 4 STAR HOTEL, AMUSEMENT PARK CUM WATER PARK, MUSHROOM & ITS PRODUCTS, FISH FARMING, LAKE FOR BOATING, DEER PARK ETC. * HDPE, PVC, LLDPE PIPES/TUBES AND FITTING * EPOXIDIZED SOYABEAN OIL (SECONDARY PLASTICIZER) USED IN PVC COMPOUND * POULTRY PROCESSING PLANT * B.O.P.P. SELF ADHESIVE TAPES * I.V.SET * MANGANESE OXIDE AND MANGANESE SULPHATE * ODOURLESS NYLON GRANULES FROM FIBER OF WASTE TYRE WITHOUT CHANGING PROPERTIES OF NYLON * PARTICLE BOARD FROM RICE HUSK OR WOOD WASTE OR SUGAR CANE BAGASSE OR MIXED OF ALL ABOVE * POULTRY LAYER AND BROILER FARMING * TOMATO, GUAVA AND MANGO PULP * GREEN HOUSE * HYDROXY PROPYL GUAR (HPG) AND CARBOXY METHYL HYDROXY PROPYL GUAR * BATHSOAP MANUFACTURE * PLASTIC MOULDED CHAIRS * FROZEN POTATO PATTY * CALCIUM ALUMINATE * ACTIVATED CARBON FROM COCONUT SHELL * RIGID PVC FILM MANUFACTURE FOR PHARMACEUTICALS BLISTER 	<ul style="list-style-type: none"> * PACKAGING * NYLONE 66 CURING TAPE USED IN RUBBER HOSE PIPE WRAPPING * ANTIFOAMING/DEFOAMING AGENT LIKE ANTAROL T-709 * SOY AND GLUTEN BASED MOCK MEAT * KRAFT PAPER USING WASTE PAPER AND OLD CORRUGATED CARTONS * GLASS BOTTLE FOR BEER AND BEER MUG (TUMBLER) * DISPOSABLE SYRINGES AND NEEDLE PLANT (Single Use Syringes, Single Use Needles & As Syringes) * DIRECT FILLED BALL PEN (USE AND THROW) * BENZALKONIUM CHLORIDE * SPINNING COTTON (COTTON SPINNING PLANT) * CALCIUM CHLORIDE USING LIME STONE AND HYDROCHLORIC ACID * RUBBER POWDER FROM WASTE TYRES * CALCINATION PLANT FOR PYROPHYLLITE AND DIASPORE MINERALS BY VERTICAL SHAFT KILN PROCESS * ONION, GARLIC & GINGER DEHYDRATION PLANT * POTASSIUM NITRATE * POTASSIUM SULPHATE * N.P.K. FERTILIZER * CHICORY EXTRACT (ROASTED CHICORY GRANULES/CUBES, LIQUID EXTRACT ETC.) * SOLID WASTE SEGREGATION * LAMITUBE MANUFACTURE * BOARDING SCHOOL * CERAMIC FUSE TUBE/ BARRELS USED IN HRC FUSE * SODIUM POLYACRYLATE DISPERSANT FOR USE IN WATER BASED PAINT WITH DISPERSANT FOR PIGMENT * NAIL POLISH, LIPSTICKS, NAIL POLISH REMOVER * SOYA PRODUCTS (MILK, PANEER, TOFU, BUTTER, CHEESE CURD/YOGURT, ICE CREAM) WITH PACKAGING UNIT * GREASE MANUFACTURING
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TERMS AND CONDITIONS

Ask for the quotation for the required project report at
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