

HI-TECH PROJECTS

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FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR MODIFIED RESINS) [EIRI-1491]

Approximately 1 million metric tons of urea-formaldehyde resin are produced annually. More than 70% of this urea-formaldehyde resin is used by the forest products industry for a variety of purposes. The resin is used in the production of an adhesive for bonding particleboard (61% of the urea-formaldehyde used by the industry), medium density fiberboard (27%), hardwood plywood (5%), and a laminating adhesive for bonding (7%), for example, furniture case goods, overlays to panels, and interior flush doors. Urea-formaldehyde resins are the most prominent examples of the class of thermosetting resins usually referred to as amino resins. 2,3 Urea-formaldehyde resins comprise about 80% of the amino resins produced worldwide. Melamine-formaldehyde resins constitute the remainder of this class of resins, except for minor amounts of resins that are produced from other aldehydes or amino compounds (especially aniline), or both.

Cost Estimation

Plant Capacity	30 MT./Day
Land & Building (3 Acres)	Rs. 7.52 Cr.
Plant & Machinery	Rs. 2.11 Cr.
W.C. for 1 Months	Rs. 4.63 Cr.
Total Capital Investment	Rs. 14.73 Cr.
Rate of Return	56%
Break Even Point	36%

CATHETERS MANUFACTURING [EIRI-1490]

A catheter is a flexible tube made of latex, silicone, or Teflon that can be inserted into the body creating a channel for the passage of fluid or the entry of a medical device. For many years, the epidermal catheters used were plain tubes made of available industrial compounds, and design was largely based on current need. Nowadays, there are many specialized catheter designs. For example, specific catheter designs allow catheters to be used in pulmonary, cardiac (vascular), neonatal, central nervous system, and epidural tissues. Catheters are designed to perform tissue ablation (tissue removal) and even serve as conduits for thermal, optics, and various medical devices. The three major types of catheters are coronary, renal, and infusion. Coronary catheters are used for angiography (x-ray of blood vessels after injection of radiopaque substance), angioplasty & ultrasound procedures in the heart or in peripheral veins and arteries. These catheters are equipped with an inflatable balloon at the tip and are used for urine incontinence, dying patients, and bladder drainage following surgery or an incapacitating injury or illness.

Cost Estimation

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

ALUMINIUM COMPOSITE PANELS (ACP) [EIRI-1489]

Aluminium Composite Panels (ACP) are mainly light-weight composite material consisting of two pre-finished aluminium cover sheets heat-bonded (laminated) to a core made of polyethylene plastic material, available in 3mm, 4mm, and 6mm thicknesses after finishing and can be curved and bent to form corners. These panels are used widely as exterior covering of commercial buildings and corporate houses. While adding to aesthetic beauty of the structure, they are also resistant to acid, alkali salt spray, pollution and provide good thermal as well as sound insulation. These Panels are widely used due easy maintenance in almost any kind of climate through normal wash with water and mild detergent that ensures long lasting performance. There are Nano-PVdF Aluminium Composite Panel: In order to resolve the problem of dust sticking on cladding face, we bring you a unique aluminium composite panel Nano aluminium composite panel. A strong Nano-PVdF paint layer is coated on front aluminium foil. Due to its prominent self-cleaning feature, the panel has placed an unprecedented demand in the market.

Cost Estimation

Plant Capacity	6000 sq.mt./Day
Land & Building (10,000 sq.mt.)	US\$ 14.50 Lacs
Plant & Machinery	US\$ 6.80 Lacs
W.C. for 2 Months	US\$ 36.85 Lacs
Total Capital Investment	US\$ 59.32 Lacs
Rate of Return	65%
Break Even Point	34%

CONFECTIONERY UNIT (TOFFEE, CANDY/LOLLIPOP, CHEWING GUM, BUBBLE GUM & CHOCOLATE) [EIRI-1488]

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, 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. The covering of chocolates was originally carried out solely by hand the process being known as 'hand dipping'. Each piece or 'centre' was handled individually, dropped into molten chocolate (temperature 88- 92 deg.F), covered, and finally placed a plaque to set. The process gave results which even today are superior to any mechanical methods.

Cost Estimation

Plant Capacity	1 Ton./Day
Land & Building (Area 1200 sq.mt.)	Rented
Plant & Machinery	Rs. 50 Lacs
Total Capital Investment	Rs. 1.82 Cr.
Rate of Return	48%
Break Even Point	46%

PLASTIC WATER STORAGE TANKS [EIRI-1487]

The term Plastics usually refers to a large and varied group of synthetic materials which are solid in finished form but at some stage in their processing are fluid enough to be shaped by application of heat and pressure. The use of plastics in building has grown rapidly in the last few years. Plastics were first used for decorative and non structural purposes but because of increased knowledge of the long term properties of plastics particularly resistance to creep and environmental effects some plastics are now available that maintain long term structural integrity, such as piping, doors and windows, water tanks that can contain moderate pressures for a long period of time. During the last decade Plastic (conversion) industry has progressed at a fast rate. New fields of application of plastics are continually being developed. Tile sometime ago drums, barrels were conventionally manufactured out of M.S. Sheets. Today we can get the drum and barrel made out of Plastics. Blow moulding has been the most widely used method of the manufacture of hollow-ware out of thermoplastics.

Cost Estimation

Plant Capacity	30 Nos./Day
Land & Building (4000 sq.mt.)	Rs. 30 Lacs
Plant & Machinery	Rs. 1.14 Cr.
W.C. for 3 Months	Rs. 69 Lacs
Total Capital Investment	Rs. 2.22 Cr.
Rate of Return	40%
Break Even Point	46%

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

Dairy industry is of crucial importance to India. The country is the world's largest milk producer, accounting for more than 13% of world total milk production. It is the world largest consumer of dairy products, consuming almost 100% of its own milk production. Dairy products are a major source of cheap and nutritious food to millions of people in India and the only acceptable source of animal protein for large vegetarian segment of Indian population, particularly among the landless, small and marginal farmers and women. India's high-value, high-volume market for traditional dairy products and delicacies is all set to boom further under the technology of mass production. More and more dairy plants in the public, cooperative and private sectors in India are going in for the manufacture of traditional milk products. This trend will undoubtedly give a further stimulus to the milk consumption in the country and ensure a better price to primary milk producers.

Cost Estimation

Plant Capacity	50000 Ltr./Day
Land & Building (30 Acres)	Rs. 13.98 Cr.
Plant & Machinery	Rs. 15.40 Cr.
W.C. for 1 Months	Rs. 2.71 Cr.
Total Capital Investment	Rs. 47.87 Cr.
Rate of Return	20%
Break Even Point	55%

23 INJECTION MOULDED PLASTIC PRODUCTS

(23 Project Reports in CD)

Top Industries to Start

1. AUDIO CASSETTES PARTS BY INJECTION MOULDING
2. AUDIO CASSETTE ASSEMBLY & RECORDING
3. AUTOMOBILE INJECTION MOULDED PLASTIC COMPONENT
4. BALL PEN MANUFACTURING (AUTOMATIC PLANT)
5. BALL POINT PEN, REFILLS & INK
6. COMPACT DISK
7. DISPOSABLE PLASTIC SYRINGES (STERILIZED)
8. EVA(ETHYLENE VINYL ACETATE FOOT WEAR INJECT
9. HELMET
10. INJECTION & BLOW MOULDED PLASTIC PRODUCTS
11. INTRAVENOUS FLUID PLASTIC BOTTLE
12. INJECTION MOULDED PLASTIC BALLS
13. INJECTION MOULDING FOR PLASTIC COMPONENTS WITH TOOL ROOM
14. PLASTIC INJECTION MOULDING PRODUCTS
15. PLASTIC BANGLES BY INJECTION MOULDING
16. PLASTIC MOULDED FURNITURE
17. PLASTIC BUTTONS BY INJECTION MOULDING METHODS
18. PVC FOOT WEAR
19. PLASTIC MILK CRATE AND PLASTIC FISH CRATE
20. PLASTIC TOYS
21. SPOONS (PLASTIC)
22. SPORT SHOES (IMPORTED AUTOMATIC PLANT) ACTION, LIBERTY ETC. TYPE
23. TOOTH BRUSH

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

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DETERGENT CAKE AND POWDER [EIRI-1485]

Since soaps have comparatively lesser washing characteristics in hard water than synthetic detergents, synthetic washing compounds have been able to occupy a significant market which was enjoyed by washing soaps earlier. The term detergent originated from the latin word detergere (i.e. wipe off), is now-a-days applied to all synthetic washing compounds. Synthetic detergent is not

only used as household cleaning material but also have industrial applications in textiles, pesticide industry as carriers, etc. The term detergent is used for synthetic detergents derived from petroleum products. Synthetic detergents have expanded rapidly all over the world. Their rapid development has been stimulated by the enormous and fast growth of the international petro-chemical industry. The transition from conventional hard soaps to synthetic detergent cake has been rapid and irreversible response by consumers. so that to-day, synthetic detergent accounts in most developed and under developing countries in the world. to improve detergency of the detergent cakes, powders, certain other components were added to it known as builders, synergers, fillers and brightners etc.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (6000 sq.mt.)	Rs. 4.32 Cr.
Plant & Machinery	Rs. 43 Lacs
W.C. for 1 Months	Rs. 1.87 Cr.
Total Capital Investment	Rs. 7.05 Cr.
Rate of Return	74%
Break Even Point	30%

GRAIN BASED ALCOHOL DISTILLERY [EIRI-1484]

Man has been making alcoholic drinks for a very long time. Precisely how and when the pleasing effects of alcohol were first discovery we cannot be sure, but almost certainly the discovery came about by happy accident; honey, fruit juice the sap in the hollow of a tree would all if left for long enough at the right temperature ferment spontaneously and cause a feeling of well being in whoever drank them. The term 'alcohol' was first applied to the spirits of wine, ethyl alcohol, and now it refers to a series of substances with similar characteristics. Ethyl alcohol is the active constituent of all intoxicating liquore obtained by the fermentation of saccharine materials.

Cost Estimation

Plant Capacity	30000 Ltr./Day
Land & Building (8000 sq.mt.)	Rs. 10.77 Cr.
Plant & Machinery	Rs. 2.55 Cr.
W.C. for 3 Months	Rs. 4.71 Cr.
Total Capital Investment	Rs. 18.42 Cr.
Rate of Return	55%
Break Even Point	30%

BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS) [EIRI-1483]

Banana is a globally important fruit crop with 97.5 million tones of production. In India it supports livelihood of million of people. With total annual production of 16.91 million tones from 490.70 thousand ha., with national average of 33.5 T/ha. Maharashtra ranks first in production with 60 T/ha. Banana contributes 37% to total fruit production in India. Banana is one of the major and economically important fruit crop of Maharashtra. Banana occupy 20% area among the total area under crop in India. Maharashtra ranks second in area and first in productivity in India. Jalgaon is a major Banana

growing district in Maharashtra which occupy 50,000 hectares area under Banana. But most of Banana is grown by planting suckers. The technology development in agriculture is very fast, it results in developing Tissue Culture Technique. Banana is basically a tropical crop, grows well in temperature range of 13°C - 38°C with RH regime of 75-85%. In India this crop is being cultivated in climate ranging from humid tropical to dry mild subtropics through selection of appropriate varieties like Grandnaine. Chilling injury occurs at temperatures below 12°C. The normal growth of the banana begins at 18°C, reaches optimum at 27°C, then declines and comes to a halt at 38°C. Higher temperature causes sun scorching.

Cost Estimation

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

CALCIUM NITRATE [EIRI-1482]

Calcium nitrate, sometimes called Norwegian saltpetre was the first synthetic nitrogenous fertilizer to be put on the market. It has not, however, proved to be entirely satisfactory for this purpose. At the beginning of world war II, it accounted for about 8% of the nitrogen consumed in world's agriculture. It is manufactured mainly in Europe. Calcium nitrate is generally known as lime nitrate or nitrocalcite or lime salt peter or Norwegian salt peter. It is available in two form one is in tetra hydrate form whose chemical formula is Ca(NO₃·4H₂O).

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.15 Cr.
Plant & Machinery	Rs. 80 Lacs
W.C. for 1 Months	Rs. 1.40 Cr.
Total Capital Investment	Rs. 3.54 Cr.
Rate of Return	71%
Break Even Point	31%

FUSED SILICA FROM SILICA SAND [EIRI-1481]

Fused silica is a high purity silicon dioxide is either transparent or translucent. The nontransparent fused material contains a large number of microscopic bubbler that create a milky appearance causes by the scattering of light. This material is sometimes called as a translucent fused silica. Fused silica is available in a number of grade for different application. Fused silica is used for window, lenses prism and other application.

Cost Estimation

Plant Capacity	40,000 MT./Day
Land & Building (5 Acres)	Rs. 13.10 Cr.
Plant & Machinery	Rs. 4.28 Cr.
W.C. for 3 Months	Rs. 8.89 Cr.
Total Capital Investment	Rs. 26.79 Cr.
Rate of Return	19%
Break Even Point	71%

Start Your Own Industry

56 AGRO BASED AND FOOD

PROCESSING PROJECTS IN CD

(56 Project Reports)

COPPER PHTHALOCYANINE CRUDE (CPC) [EIRI-1480]

Phthalocyanine pigments are derived from the Phthalocyanine structure, a tetraaza tetrabenzoporphine. Although this basic molecule can chelate with a large variety of metals under various co-ordination conditions, today only the copper (II) complexes are of practical importance as pigments. Excellent general chemical and physical properties; combined with good economy, make them the largest fraction of organic pigments in the market today. Copper Phthalocyanine (CPC) pigments, by virtue of their exceptionally brilliant shade, high tinctorial strength, low cost and outstanding fastness properties, have been ruling the colorant industry. They are about to complete 70 years of meritorious service as an unchallenged leader of various types of blue and green pigments. Most of these pigments had poor chemical resistance, unsatisfactory acid/or alkali resistance, insufficient light fastness & poor sublimation fastness.

Cost Estimation

Plant Capacity	2 MT./Day
Land & Building (Area 1 Acre)	Rs. 2.33 Cr.
Plant & Machinery	Rs. 55 Lacs
W.C. for 1 Months	Rs. 1.38 Cr.
Total Capital Investment	Rs. 4.54 Cr.
Rate of Return	39%
Break Even Point	45%

LATEX GLOVES, CONDOMS & CATHETER [EIRI-1479]

The gloves are made from latex by dipping method. In the same plant of hand gloves, other products like finger stalls, balloons, etc. can also be manufactured. Deposition of rubber by dipping an article in rubber solution in order to obtain thin walled articles in and old process, toy balloons, gloves for surgical and household use were made by dipping forms in milled rubber solution as cements. A single dip was sufficient for producing very thin articles, but in case of heavy ones the dipping and drying operations had to be repeated several times. The solution uses as of high viscosity, yet it contain only a very small percentage of rubber, consequently the usage of solvent was high and the method of solvent recovery were very inefficient. It was not surprising that when latex become commercially available attempts were made to use it in place of rubber solutions. Dipped goods from latex especially surgical gloves, industrial gloves, finger stalls etc. are finding increasing use formerly almost these articles were important. However, some large scale units in the country almost monopolized the manufacture and the marketing of these products. Recently much progress has been made in small sector. Especially because technical know how is no longer a problem and all the raw materials are available indigenously. Dipped goods from rubber latex, specially surgical gloves, industrial gloves, finger stalls, cathetar, surgical and vetinary appliances are finding increasing use. However, some large scale units in this country almost monopolized

the manufacture and marketing of these products. Recently much progress has been made in small scale sector.

Cost Estimation

Plant Capacity	2490 Million/Day
Land & Building (15000 sq.mt.)	Rs. 16.97 Cr.
Plant & Machinery	Rs. 11.59 Cr.
W.C. for 3 Months	Rs. 33.93 Cr.
Total Capital Investment	Rs. 63.29 Cr.
Rate of Return	123%
Break Even Point	16%

OT PASTE [EIRI-1478]

Wetting agent (OT Paste) used for textile industry. Dioctyl sodium sulfosuccinate as OT Paste is a white wax like solid with characteristic odor. It is sparingly soluble in water and freely soluble in alcohol, glycerol, Carbon tetrachloride, acetone xylene. It saponification value varies from 240-253 and is stable in acid and neutral solution. It hydrolyzes in alkaline solution. OT Paste is used as a wetting Agent in textile industries. OT Paste Wetting Agents is anionic product, thick paste, 0.5% of weight of cotton fiber or cloth instantaneously wets it.

Cost Estimation

Plant Capacity	1 Ton./Day
Land & Building (800 sq.mt.)	Rs. 1.01 Cr.
Plant & Machinery	Rs. 22 Cr.
W.C. for 3 Months	Rs. 65 Cr.
Total Capital Investment	Rs. 1.93 Cr.
Rate of Return	26%
Break Even Point	54%

TOMATO PROCESSING UNIT [EIRI-1022]

Tomato processing unit/Tomato Puree is the name implies to tomato Pulp which is concentrated by the evaporators either open pan or vacuum evaporators. It is prepared by concentrating tomato juice or pulp without seeds and skin. It is used for preparation of various products such as Sauces, Ketchup, Chutney, Soup, Tomato Juice. Tomatoes are taken, which are well-ripened. So the fresh ripen tomatoes are very refreshing and appetising. they are good source of vitamine. The main tomato producing states are A.P., Bihar, M.P. Punjab, Tamil nadu, West Bengal and Maharashtra. Two varieties of tomatoes are available in India then are the large round ones which are quite sour and the tongish type which are sweetish and less sour. Most of the tomato products are prepared from tomato pulps, which is unflavoured, finely devided flesh and juice separated from skins and seeds. It is usually concentrated to a greater or less degree before used in other products. Results of this work are evidence by a large number of articles, patents and commercial installation for conc. of fruits and vegetable juices or pulps.

Cost Estimation

Plant Capacity	20000 MT./Year
Land & Building (3000 sq.mt.)	Rs. 1.71 Cr.
Plant & Machinery	Rs. 6.89 Cr.
W.C. for 1 Months	Rs. 1.19 Cr.
Total Capital Investment	Rs. 10.09 Cr.
Rate of Return	23%
Break Even Point	58%

1. AMLA PROCESSING
2. ASAFOETIDA (COMPOUND)
3. AYURVEDIC/HERBAL PHARMACY
4. BREAD PLANT
5. BANANA POWDER
6. BASMATI RICE EXPORT
7. COLD/SOFT DRINKS
8. COUNTRY LIQUOR
9. CONE FOR SOFTY ICE CREAM
10. CASHEW NUT DECORTICATION
11. CASEIN FROM MILK
12. COFFEE PLANTATION
13. CATTLE AND POULTRY FEED
14. CUSTARD POWDER
15. CAFFEINE FROM TEA WASTE
16. DEHYDRATED ONIONS & POWDER
17. EXTRACTION OF SOYABEAN OIL FROM SOYABEAN
18. FROZEN FINGER CHIPS
19. GOAT FARMING
20. GHEE AND BUTTER
21. GRAPE DEHYDRATION
22. HERBAL EXTRACTS
23. ICE MAKING PLANT
24. INSTANT SOUP
25. INSTANT FOOD IDLI MIX, DOSA MIX, SAMBAR MIX, VADA MIX, GULAB JAMUN MIX, SOUP MIX ETC.
26. INDIAN MADE FOREIGN LIQUOR
27. LECITHIN (SOYA BASED)
28. MANGO JUICE
29. MUSHROOM GROWING & PROCESSING
30. MEAT CHILLING/FROZEN MEAT
31. MALTING PLANT
32. MILK POWDER & GHEE
33. MACARONI
34. NATURAL MINERAL WATER
35. ORANGE JUICE
36. PROCESSED FOOD
37. PAPAIN INDUSTRY
38. POTATO STARCH
39. PROTEIN BASED PRODUCTS
40. POUCHES FILLING & PACKAGING OF EDIBLE OIL & GHEE
41. PICKLES, MURABBA & SAUCES ETC.
42. "REFINED OILS" COTTON SEED OIL, GROUND OIL, SUN FLOWER OIL & SAFFLOWER OIL
43. READY TO EAT MOONG HALWA, PANJEEER, GREEN CHUTNEY
44. RESTAURANT
45. ROASTED/DRIED/SALTED CASHEWNUITS, ALMONDS, PISTA, PEANUT, DRIED COCONUT
46. SCENTED SUPARI (BETAL NUT)
47. SUGAR CANDIES
48. SOYA MILK & PANEER
49. SUGARCANE JUICE PRESERVATION
50. SATTU
51. TEA & COFFEE PROCESSING & PKG.
52. TEA INDUSTRY
53. TOMATO PASTE (TOMATO PUREE)
54. VERMICELLI
55. VEGETABLE OIL REFINING
56. WATER CHILLING PLANT

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Start Your Own Industry

HARD ANODISED PRESSURE COOKERS AND UTENSILS

[EIRI-1023]

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 thermally 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. Because of these physical qualities and durability, Aluminium utensils have high demand and its demand is only increasing with each passing day with the increase in population,

Cost Estimation

Land & Building (500 sq.mt.)	Rs. 87 Lacs
Plant & Machinery	Rs. 45 Lacs
W.C. for 3 Months	Rs. 2.00 Cr.
Total Capital Investment	Rs. 3.41 Cr.
Rate of Return	75%
Break Even Point	38%

BIO-DIESEL FROM ALGAE

[EIRI-1034]

High oil prices, competing demands between foods and other biofuel sources, and the world food crisis, have ignited interest in algaculture (farming algae) for making vegetable oil, biodiesel, bioethanol, biogasoline, biomethanol, biobutanol and other biofuels, using land that is not suitable for agriculture. Among algal fuels' attractive characteristics: they do not affect fresh water resources, can be produced using ocean and wastewater, and are biodegradable and relatively harmless to the env. Factors. Dry mass factor is the percentage of dry biomass in relation to the fresh biomass; e.g. if the dry mass factor is 5%, one would need 20 kg. of wet algae (algae in the media) to get 1 kg. of dry algae cells. Lipid content is the percentage of oil in relation to the dry biomass needed to get it, i.e. if the algae lipid content is 40%, one would need 2.5 kg. of dry algae to get 1 kg. of oil. The vegoil algae product can then be harvested and converted into biodiesel or green-colored crude oil. The algae's carbohydrate content can be fermented into bioethanol and biobutanol.

Cost Estimation

Plant Capacity	1000 Ltrs./Day
Land & Building (8000 sq.mt.)	Rs. 34 Lacs
Plant & Machinery	Rs. 16 Lacs
W.C. for 2 Months	Rs. 42 Lacs
Total Capital Investment	Rs. 1 Cr.
Rate of Return	58%
Break Even Point	37%

GEMS AND JEWELLERY

[EIRI-1036]

Jewellery making is one of the oldest industries in India. It has been a traditional craft in India,

each region in the country specialising in different designs and skills. The Indian artisans and craftsman have developed mastery over the manufacture of solid gold ornaments, gem-encrusted jewellery, delicate ornaments with filligree work, enamelled jewellery as well as costume jewellery. Jewellery is one trade which is still placed in the cottage industry category. However, the growing recognition of Indian workmanship by foreign buyers has result in boosting the export of cut and polished gems. The Gem and Jewellery Export Promotion Council was set up in 1966. This was a welcome step as gem and jewellery has been recognised as an export-oriented industry. The council operating under the Union Commerce Ministry as a non profit service institution, has helped in the establishment of testing laboratories and training school at Jaipur and the Indian Gemmological Institute at Delhi. The council represent about 3,000 exporters of gems and jewellery. Gold has a characteristic pleasing colour but it assumes various colours.

Cost Estimation

Plant Capacity	500 GMS./Day
Land & Building (500 sq.mt.)	Rs. 80 Lacs
Plant & Machinery	Rs. 65 Lacs
W.C. for 1 Months	Rs. 4.13 Cr.
Total Capital Investment	Rs. 5.66 Cr.
Rate of Return	125%
Break Even Point	19%

ALUMINIUM BEVERAGE CANS

[EIRI-1037]

Beverage cans are produced by drawing a cup from plain Aluminum sheet and thinning or ironing, the walls to one third of the base thickness. Aluminum is ideally suited to fulfill both formability and lacquer adhesion requirements. Standard Sizes. 100ml, 500ml, 473ml, 440ml, 375ml, 355ml, 350ml, 3330ml, 237ml, 200ml, Cans comes in varying heights and diameters to encompass the range of capacities currently in use, however the diameters are usually one of the two standard sizes, Canada the United States. Australia and New Zealand almost universally use a diameter slightly in Excess of 65mm. This size is almost universal in these countries for soft drinks, beers and ready mixed sprit drinks. European countries mostly use a much narrower size of 52mm for soft drinks and some beers.

Cost Estimation

Plant Capacity	16000 Nos./Day
Land & Building (1000 sq.mt.)	Rs. 1.11 Cr.
Plant & Machinery	Rs. 19 Lacs
W.C. for 2 Months	Rs. 36 Lacs
Total Capital Investment	Rs. 1.75 Cr.
Rate of Return	25%
Break Even Point	60%

ANNATTO SEED COLOUR EXTRACTION [EIRI-1038]

Annatto is a spice and a natural color that is derived from the achiote shrub. Annatto is popularly used as a food color and dye, but at the same time, it is also is a good flavor enhancer. It has a beautiful red color which is helpful in bringing red and orange colors to

number of recipes. It comes from the achiote seeds which is a heart shaped, red fruit with spines. Annatto extract is derived from the achiote seeds that come out when the ripe achiote fruit bursts into two. Annatto is also laden with multiple medicinal properties and is therefore used majorly in cooking and other culinary practices. Annatto is a natural food colorant that has been used since the ancient times. The color represented fire, sun and blood in early American Indian civilizations. The color was used for food, dying clothes, and coloring the body during ceremonies. Annatto is yellow, natural food colorant obtained from the seeds of the Bixa Orella tree. The use of annatto color is not restricted to any one kind of use. From lipsticks to beauty creams, from cheese to ice creams & from textiles back to beauty products.

Cost Estimation

Plant Capacity	20 Ton/Day
Land & Building (20,000 sq.mt.)	Rs. 10.37 Cr.
Plant & Machinery	Rs. 4.64 Cr.
W.C. for 3 Months	Rs. 71.11 Cr.
Total Capital Investment	Rs. 86.34 Cr.
Rate of Return	48%
Break Even Point	25%

FRUITS AND VEGETABLES DRYING BY FREEZE DRYING

METHOD [EIRI-1039]

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. The dehydration industry got an impetus during the World War II. On account of their concentrated form, low cost, convenience and easy transportability, dried fruit and vegetable products and also other dehydrated foods became highly popular among the armed forces. Dehydrated vegetables, however, lost some of their popularity owing to some undesirable changes in colour, taste and flavour during storage and distribution. Dehydration techniques have since been greatly improved to get over most of these defects so that the modern dehydrated food is really a first class product in every way. It is sometimes said that the dehydration industry will one day be the most important one among the food preservation industries employing various other well-known methods of preservation such as canning, freezing, addition of chemical preservatives etc.

Cost Estimation

Plant Capacity	1.50 Ton./Day
Land & Building (2 Acres)	Rs. 5.31 Cr.
Plant & Machinery	Rs. 5.85 Cr.
W.C. for 3 Months	Rs. 1.26 Cr.
Total Capital Investment	Rs. 12.67 Cr.
Rate of Return	60%
Break Even Point	31%

Patrons, deposit amount in EIRI Account

ICICI BANK LTD. CA-038705000994
(RTGS/NEFT/IFSC Code: ICIC0000387)

Top Industries to Start

STEEL ROLLING MILL (BY INDUCTION FURNACE)

[EIRI-1041]

The products of steel plants are in the form of structural shapes such as I-sections, channels, angles, plates, rails, sheets, axles and wheels for railways, merchant products like rounds, hexagons, squares, strips etc. Galvanized sheets, tin-plates, wire-rods and soon. Rails, wheels and axles are specifically meant for railways which are a large consumer of steel. These are specifically used directly as supplied by steel plant. However, the remaining products of a steel plant, by and large, are processed further in engineering industries before their actual use. These products are therefore often called as 'Semis' meaning thereby that they are semi-finished steel products only. For producing these semis, the liquid steel, in finished form is cast into ingots and subsequently rolled in several types of mills which are normally a part of the steel plant.

Cost Estimation

Plant Capacity	350 MT./Day
Land & Building (50,000 sq.mt.)	Rs. 54.70 Cr.
Plant & Machinery	Rs. 5.77 Cr.
W.C. for 2 Months	Rs. 58.88 Cr.
Total Capital Investment	Rs. 120.06 Cr.
Rate of Return	49%
Break Even Point	42%

POLY ALUMINIUM CHLORIDE

[EIRI-1018]

Aluminium chloride hydroxide [1327-41-9], [10284-64-7], AlCl (OH)2 [14215-15-7], AlCl2(OH), products, commonly known as polyaluminium chlorides (PAC), are used for a wide variety of industrial applications. Other names for PAC are basic aluminium chloride, polybasic aluminium chloride, aluminium hydroxychloride, aluminium oxychloride and aluminium chlorohydrate. The presence of polymeric, aluminium-containing cations, the distribution of which can differ greatly, typifies PAC products. Although the formation of polynuclear aluminium species in solution has been studied for over a century, there is still much controversy concerning aluminium polymerization reactions and the resulting product compositions. Polyaluminium chloride is a partially hydrolyzed aluminium chloride solution, which may incorporate a small amount of sulphate, has been introduced in Japan, England and Australia as an alternative to alum.

Cost Estimation

Plant Capacity	1.50 MT./Day
Land & Building (1000 sq.mt.)	US\$ 1.78 Lacs
Plant & Machinery	US\$ 1.40 Lacs
W.C. for 2 Months	US\$ 1.13 Lacs
Total Capital Investment	US\$ 4.56 Lacs
Rate of Return	25%
Break Even Point	61%

Patrons, deposit amount in EIRI Account

STATE BANK OF INDIA

CA-30408535340

(RTGS/NEFT/IFSC Code: SBIN0001273)

LIQUID GLUCOSE FROM MAIZE

[EIRI-0778]

Liquid Glucose, a highly viscous material, is at present extensively used as sweetening agent in confectionery, bakery and other food preparations. The product first came into existence in the field of carbohydrate sweetening soon after the second World War. The uniqueness of this product is its high viscosity, sticky nature and ability to control sweetening, which makes liquid glucose a good doctoring agent for confectionery purpose. Starch, the most abundant carbohydrate obtained from plant kingdom, is the starting raw material for making Liquid Glucose. Starch is commonly produced from corn, millets and tubers; which grows prolifically in sub-tropical countries. In developed and developing countries, separation of starch granules from the aqueous suspension is done in a sophisticated way involving high investment.

Cost Estimation

Plant Capacity	1667 KGS/Day
Land & Building (1500 sq.mt.)	Rs. 85 Lacs
Plant & Machinery	Rs. 31 Lacs
Total Capital Investment	Rs. 1.56 Cr.
Rate of Return	23%
Break Even Point	63%

PLYWOOD [EIRI-0694]

The term 'Plywood' covers a form of laminated xaves in which successive layers of veneer are ordinarily cross laminated, the care of which may be veneer or sawn lumber in are piece several pieces. It is a high pressure bonded wood product composed of layers of waves with resin as the laminating agent. Kitply is one of the largest manufacturers of plywood in the country and manufactures one of the widest range like marine, shuttering, compreg, decorative and other special grades. its factory at Tinsukia is equipped with modern machinery and highly sophisticated hydraulic heavy duty hot presses. The testing laboratory is fully furnished with the latest testing machines and scientific instruments for conducting physical, mechanical and electrical testing as per buyers' specifications. Bonding of wood with adhesive which generally is for more efficient than with mechanical fasteners has made possible a wide range of products and uses for which wood was not considered few decades ago.

Cost Estimation

Plant Capacity	46666.67 sq.mt./Day
Land & Building (3 Acres)	Rs. 7.93 Cr.
Plant & Machinery	Rs. 99 Lacs
W.C. for 1 Months	Rs. 2.32 Cr.
Total Capital Investment	Rs. 11.76 Cr.
Rate of Return	83%
Break Even Point	40%

PSA BASED NITROGEN

GENERATOR [EIRI-1219]

The pressure swing adsorption processes for the continuous and regenerative purification of air and gases have been well established since the discovery of the basic process over fifty years ago. Recent advances in the adsorption

process have resulted in improved separation efficiencies and lower energy consumption. Purity requirements for clean, dry air have become more stringent in recent years to meet the increased demands of industry and laboratories. Thirty years ago, pure air was required to have a moisture dew point of — 400C or lower and less than 1 ppmv hydrocarbon content (as methane). The levels were gradually lowered to -760C dew point and less than 0.5 ppmv total hydrocarbon content.

Cost Estimation

Plant Capacity	45000 lb/Day
Land & Building (5000 sq.mt.)	Rs. 5.35 Cr.
Plant & Machinery	Rs. 5.20 Cr.
W.C. for 2 Months	Rs. 3.13 Cr.
Total Capital Investment	Rs. Cr.
Rate of Return	33%
Break Even Point	69%

ORGANIC CHEMICALS & SOLVENTS [EIRI-1225]

Phthalide is an organic chemical compound with the molecular formula C8H6O2. It is a lactone that serves as the core chemical structure for a variety of more complex chemical compounds including dyes (such as phenolphthalein), fungicides (such as tetrachlorophthalide, often referred to simply as "phthalide") and natural oils (such as butylphthalide). Phthalides are a group of secondary metabolites or phytochemical compounds classified under lactones. Phthalides are known to provide health benefits by stimulating and/or inhibiting various enzymes in the body. Studies have shown that these compounds can help lower blood pressure, provide an anti-inflammatory function, improve circulation, rid the body of toxins such as uric acid crystals, inhibit malignancy and offer a calming effect. Many of the major phthalides have been isolated from plants mainly medicinal herbs, celery stalks, celery seeds and essential oils of their plant of origin.

Cost Estimation

Plant Capacity	36000 KGS/Day
Land & Building (5000 sq.mt.)	Rs. 5.91 Cr.
Plant & Machinery	Rs. 2.14 Cr.
W.C. for 3 Months	Rs. 2.88 Cr.
Total Capital Investment	Rs. 11.53 Cr.
Rate of Return	31%
Break Even Point	57%

SURGICAL/MEDICAL INSTRUMENTS, EQUIPMENTS, FURNITURE AND OTHER PRODUCTS REQUIRED FOR SURGERY AND DIAGNOSTICS

[EIRI-1236]

Cost Estimation

Land & Building (4050 sq.mt.)	Rs. 3.50 Cr.
Plant & Machinery	Rs. 2.89 Cr.
W.C. for 1 Months	Rs. 1.11 Cr.
Total Capital Investment	Rs. 7.81 Cr.
Rate of Return	37%
Break Even Point	44%

Best Industries to Start and Grow

RECTIFIED SPIRIT [EIRI-1237]

Rectified spirit or rectified alcohol is high concentration alcohol purified by the process of rectification (repeated or fractional distillation). It is used for medicinal purposes, as a household solvent, and in mixed drinks. Neutral grain spirit is a kind of rectified spirit, produced from grain. The term alcohol was first applied to the spirits of wine, ethyl alcohol and now it refers to a series of substances with similar characteristics. Ethyl alcohol is the active constituent of all intoxicating liquors obtained by the fermentation of saccharine materials. It is present in the form of esters in several volatile oils. It is now a days prepared in immense quantities, chiefly by fermentation and finds numerous industrial uses, and is also being used as a motor fuel.

Cost Estimation

Plant Capacity	10 KLS/Day
Land & Building (4470 sq.mt.)	Rs. 3.65 Cr.
Plant & Machinery	Rs. 7.61 Cr.
W.C. for 2 Months	Rs. 1.35 Cr.
Total Capital Investment	Rs. 13.65 Cr.
Rate of Return	35%
Break Even Point	52%

BOTTLING PLANT (COUNTRY LIQUOR) [EIRI-1233]

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

Cost Estimation

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

HDPE PIPES AND PIPE FITTINGS [EIRI-1336]

Provision of drinking water supply, or in other words 'piped' water supply to urban and rural population, constitutes an important aspect of developmental programmes in many countries. Among several materials for pipes and fittings, plastics, though of recent origin, have offered vast potentialities both economical and

technical, for exploitation by the engineers, architects and builders of the plastic materials, polyethylene (low and high density) and unplasticized PVC (rigid PVC) have been the prime contender, though to a fairly smaller extent, polypropylene and ABS have made their appearance in this field. A whole range of sanitary fittings and fixtures viz, taps, showers, gratings, basin and sink wastes, waste traps, float balls and valves, syphons for flushing systems, are also currently available in the market, moulded in different suitable plastics.

Cost Estimation

Plant Capacity	15 MT./Day
Land & Building (2 Acres)	Rs. 5.15 Cr.
Plant & Machinery	Rs. 4.66 Cr.
W.C. for 2 Months	Rs. 6.57 Cr.
Total Capital Investment	Rs. 16.74 Cr.
Rate of Return	60%
Break Even Point	35%

QUARTZ BASED INDUSTRIES (QUARTZ POWDER, SILICA SAND, SILICA RAMMING MASS & FUSED SILICA) [EIRI-1339]

Silica. The most common occurrence of silica (qv) is in the form of quartz. Other forms which are found in nature are tridymite, cristobalite, vitreous silica, cryptocrystalline forms (usually as pebbles in chalk), hydrated silica and diatomite. The principal sources of silica used in the ceramic industry are the sandstones, quartzites, and sands. Quartzites, often called ganister, are firmly consolidated sandstones, whereas sandstones are rather lightly bonded quartz grains or sands. Silica is the primary ingredient in glass and is usually obtained from high purity sandstones or quartzites by crushing and grinding, or from high-grade sand deposits. The term glass sand may refer to a deposit of sand or, more commonly it is used to refer to the sand after it has been beneficiated from sandstones, quartzites, or natural sands.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (2 Acres)	Rs. 4.44 Cr.
Plant & Machinery	Rs. 2.25 Cr.
Total Capital Investment	Rs. 8.64 Cr.
Rate of Return	26%
Break Even Point	59%

CALCIUM STEARATE BY FUSION PROCESS [EIRI-1344]

Calcium Stearate, is produced via direct fusion process that offers excellent purity. Calcium Stearate is a derivative of Stearic Acid. It exhibits excellent lubricating, dispersing, flow improvement, hydrophobic properties, stabilizing and foam inhibiting effects.

Cost Estimation

Plant Capacity	10 Tons./Day
Land & Building (5000 sq.mt.)	Rs. 7.28 Cr.
Plant & Machinery	Rs. 1.11 Cr.
Total Capital Investment	Rs. 10.47 Cr.
Rate of Return	48%
Break Even Point	37%

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PET BOTTLES IN CAP: 500ML, 1 LTR, 2 LTRS, 5 LTRS, USED FOR PACKAGED DRINKING WATER, EDIBLE OILS, ALCOHOLIC BEVERAGES (COUNTRY LIQUOR & IMFL) ETC. [EIRI-1345]

While PET bottle development was proceeding in the US, a large manufacturer of injection moulding machines in Japan, was leading a project to develop a machine to make biaxially oriented PP (polypropylene) containers. They recognized that the prototype machine could be used to produce the new PET bottles and, in December 1975, the One-stage ASB-150 injection stretch blow moulding machine for making the new biaxial oriented PET bottles was unveiled. All one-stage injection stretch blow moulding machines derived from this original Stretch Blow design are referred to as classic one-stage machines, as the concept has long since been extended into other PET developments. The classic one-stage machines design is extremely versatile in that the same basic machine design can be used to make a wide variety of bottles and jars in all shapes and sizes, which was the standard single-stage machine in the early years, had eight cavities for 1.5 litre bottles.

Cost Estimation

Plant Capacity	30000 Nos./Day
Land & Building (4000 sq.mt.)	Rs. 5.35 Cr.
Plant & Machinery	Rs. 1.80 Cr.
W.C. for 3 Months	Rs. 3.81 Cr.
Total Capital Investment	Rs. 11.21 Cr.
Rate of Return	22%
Break Even Point	54%

EMPTY HARD GELATINE CAPSULES [EIRI-1425]

The first large scale manufacture of gelatin capsule was undertaken by Eli Lilly & co. In Hampshire. In U.S.A. the manufacture commenced nearly a century ago. Large scale machinery for manufacture of empty shells, which was full automated was designed in 1913. Filing and sealing machinery came into being in 1950. At first the devices were semi-automatic but by 1960 fully automated versions were marketed.

Cost Estimation

Plant Capacity	1400000 Nos/Day
Land & Building (1600 sq.mt.)	Rented
Plant & Machinery	Rs. 1.24 Cr.
W.C. for 1 Months	Rs. 17 Lacs
Total Capital Investment	Rs. 1.48 Cr.
Rate of Return	37%
Break Even Point	65%

GUTKA MANUFACTURING PLANT [EIRI-1416]

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. Slowly for chewing or snuff and generally the same variety is consumed in a number of forms. Thus the mona Kappal Coisikappal, Vattakappal and Yerumaikappal varieties grown in the districts of Madurai, Trichi rappali and Coimbatore in the Chennai State.

Cost Estimation

Plant Capacity	200 KGS/Day
Land & Building (350 sq.mt.)	Rs. 30 Lacs
Plant & Machinery	Rs. 6 Lacs

PAPAIN EXTRACTION INDUSTRY [EIRI-1418]

The papaya is the fruit of the papaya tree (Carica papaya) native of Central America. The fruit ripens from 4 to 6 months depending on the climate where it is grown (Salunkhe and Kadam, 1995). The cultivation of this fruit has two main purposes: the sale of the fruit for human consumption and the extraction of enzymes that constitute 40% of the latex in 1 mM concentrations. The papain is a natural proteolytic enzyme that is extracted from the latex in the leaf, the stem and the papaya's unripe fruits. Papain is used in a many industrial fields (like pharmaceutical, brewery, meat, dairy, textile, photographic, optical, tanning, cosmetic, detergents, food & leather industry), because a synthetic enzyme is not capable of simulating the properties of the natural enzyme, which increased its demand. The process to obtain raw papain consists of two main stages: latex extraction and drying. A third stage, purification, may be used if a purified papain is wanted. This work compares the crude enzymatic activity obtained from locally Carica papaya using the unripe fruit and the skin juice under different drying processes and evaluates the enzyme activity for the proposed purification procedure. A common enzyme known as papain is obtained from the green papaya (pawpaw) fruit. Enzymes are proteins that can increase the rate of biological changes such as the ripening of fruit.

Cost Estimation

Plant Capacity	100 KGS/Day
Land & Building (3 Acres)	Rs. 90 Lacs
Plant & Machinery	Rs. 82 Lacs
W.C. for 3 Months	Rs. 62 Lacs
Total Capital Investment	Rs. 2.45 Cr.
Rate of Return	46%
Break Even Point	48%

MAIZE & BY-PRODUCTS PROCESSING [EIRI-1421]

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

process limit the industrial sources mainly to wheat, maize and tapioca. Indian starch industry mainly consumes maize as input raw material. Maize is doing wonderful things in our everyday life. Maize (Corn) contains about 70% starch, other components being protein, fibers and fat.

Cost Estimation

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

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.

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. The Induction furnace based on mini steel plant is a versatile installations where provisions are available for producing a range of steel products by Alloying and casting into various shape.

Cost Estimation

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

Best Industries to Start and Grow

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. The kind of the classification of bolts and nuts may broadly be those made by the cold and hot process plant (i.e. cold formed & not formed fasteners).

Cost Estimation

Plant Capacity	3 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.29 Cr.
Plant & Machinery	Rs. 82 Lacs
W.C. for 1 Months	Rs. 50 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%

WELDED WIRE MESH [EIRI-1457]

Welded wire mesh is the latest development in land wire product industry. The welded wire, generally called reinforcing wire, is mostly used in cement concrete work for construction of buildings, National Highway pavements, runways, dams, airports etc. It is also used for

fencing purposes and for partition walls and as a safety guard in engineering workshops. For the sake of light weight structure case of handling flexibility in structure welding wire mesh has replaced grided structure to a great extent. Wire mesh also finds great application in R.C.C. structure from the design criteria. As a general standard of living of the mass improves as a result of the planned development activities going on in the country demand for new houses, offices, factories super structures. Payments increases considerably as a result the requirement of wire mesh increase considerably.

Cost Estimation

Plant Capacity	20 MT./Day
Land & Building (2000 sq.mt.)	Rs. 1.30 Cr.
Plant & Machinery	Rs. 1.58 Cr.
W.C. for 2 Months	Rs. 5.09 Cr.
Total Capital Investment	Rs. 8.27 Cr.
Rate of Return	22%
Break Even Point	59%

STEEL GRATING (GALVANISING ELECTROFORGED STEEL GRATING) [EIRI-1443]

Steel Grating manufacturing plant comprises Gate Grill Railing fabrication etc, Collapsible gate is also very useful. Recently, this type of gate was very common in scene but now a days is not very commonly used. Still this type of gate can be seen mainly as a main gate. Collapsible gate has an advantage that even a child can fold or unfold it while in case of a hand operated shutter. This is not possible. Secondly, as a collapsible gate is made of flat strips, when the gate is opened inside scenes are visible when gate is closed. A collapsible gate is very simple in construction. It consists of flat strips of mild steel of thickness 4 mm to 6 mm. These strips are riveted together crosswords. On the top and bottom with of the gate small wheels are fixed and iron is used on top and bottom as guides for these wheels. Four handles two inside and two outside on each of the gate is welded so as to open and close the gate whenever desired.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (4000 sq.mt.)	Rs. 1.94 Cr.
Plant & Machinery	Rs. 1.62 Cr.
W.C. for 2 Months	Rs. 8.29 Cr.
Total Capital Investment	Rs. 12.51 Cr.
Rate of Return	77%
Break Even Point	28%

MANUFACTURE OF DISTILLED SPIRITS & ALCOHOLIC BEVERAGES [EIRI-1440]

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 troup of spirits. The aurd whisky comes from the Gaelic word wisge - beatha, as the Irish called it, incoming the water of life. The colour in whisky, rum and brandy owes it origin to the practice of ageing or maturing these spirits in wooden casks, which as containers have previously used for transporting some compatible liquid such as slerry, wine or molasses.

Cost Estimation

Plant Capacity	60000 Ltr./Day
Land & Building (10 Acres)	Rs. 6.21 Cr.
Plant & Machinery	Rs. 18.66 Cr.
W.C. for 3 Months	Rs. 16.06 Cr.
Total Capital Investment	Rs. 49.57 Cr.
Rate of Return	22%
Break Even Point	65%

KITCHEN PRODUCTS MADE OF STAINLESS STEEL [EIRI-1021]

Every home is equipped with a beautiful kitchen. The main purpose that this place serves is in preparation of foods and experimenting different cuisines from different parts of the world. The beautiful country of India is filled up with different religions, caste and creed. That is why the country is known to be one of the largest democracies in the world. In India, various communities enjoy different unique cuisines. This has made the people of India one of the greatest food lovers in the entire world. Food is considered to be one of the most divine properties in India. People looked upon their home made kitchens as more than something where the activity of cooking is conducted. It is also a holy place that needs to be kept clean and tidy throughout the day. The present generation focuses strongly on designing and decorating of the interiors of their household. Kitchen and bathroom falls under those categories which are focused with extreme sincerity. Most people want to apply the best designing ideas in creating these two places. If seen in context to the recent houses being created, modular kitchens play an important role.

Cost Estimation

Land & Building (Area 450 sq.mt.)	Rs. 87 Lacs
Plant & Machinery	Rs. 46 Lacs
W.C. for 3 Months	Rs. 2.50 Cr.
Total Capital Investment	Rs. 3.93 Cr.
Rate of Return	25%
Break Even Point	54%

ADHESIVE FOR PAPER BOARD [EIRI-0902]

Cost Estimation

Plant Capacity	2 Ton./Day
Land & Building (Area 500 sq.mt.)	Rs. 13 Lacs
Plant & Machinery	Rs. 7 Lacs
W.C. for 3 Months	Rs. 34 Lacs
Total Capital Investment	Rs. 56 Lacs
Rate of Return	39%
Break Even Point	45%

Patrons, deposit amount in EIRI Account
HDFC BANK CA-05532020001279
 (RTGS/NEFT/IFSC Code: HDFC0001981)

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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.

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

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

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

Ask for the quotation for the required project report at
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* Small Medium & Large Chemical Industries	PACKAGED DRINKING WATER	* Tech. of PVC Compounding & Its Applications
* Industrial Chemicals Technology Hand Book	* Technology of Water and Packaged Drinking Water	* H.B. of Polymer & Plastic Technology
* Modern Technology of Organic & Inorganic Chemicals	PRINTING & PACKAGING	* H.B. of Fibre Glass Moulding
* Electroplating, Anodizing & Surface Finishing Technology	* Printing Processes Tech. & Indt.	* Techn. of Reinforced Plastics
* Hand Book of Agro Chemical Indust.(Insecticide & Pesticide)	* Hand Book of Printing Tech. (Offset, Screen, Flexo, Gravure, Inkjet & Digital)	* Plastic Additives Technology Hand Book
* Technology of Synthetic Dyes, Pigments Intermediates	* Hand Book of Offset Printing Technology	* Technology of PET Bottles, Preform and PET Recycling
* Petrochemicals, Lubricants, Greases & Petroleum Refining	* Screen Printing with Processes & Technology	* Modern Technology of Extrusion & Extruded Products
* H.B.of Lubricants, Greases & Petrochemicals Technology	* Hand Book of Packaging Indus	* Technology of Synthetic Resins & Emulsion Polymers
GUMS, ADHESIVES & SEALANTS	* Modern Packaging Technology for Processing Food, Bakery, Snack Foods, Spices and Allied Food Products	* Technology of Plastic Additives with Processes and Packaging
* Technology of Gums, Adhesives & Sealants with Formulations	* Hand Book of Food Packaging Technology	* 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)
* Hand Book of Adhesives with their Formulae (2nd Edn.)	* Modern Tech. of Printing Inks	* 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)
* Adhesives Technology & Formulations Hand Book	* Hand Book of Packaging Tech.	* Complete Technology Book Of Plastic Processing And Recycling Of Plastics With Project Profiles
* Technology of Glue & Adhesives with Adhesives Bonding and Formulations	PAINT, VARNISH, SOLVENTS, POWDER COATING & LACQUERS	* Modern Technology Of Injection Moulding, Blow Moulding, Plastic Extrusion, Pet And Other Plastics
* Complete Hand Book on Adhesives and Adhesion Tech. with Project Profiles	* Paint Pigment Varnish & Lacquer Manufacturing	BAKERY, CONFECTIONERY & BREAKFAST, PASTA & CEREALS
SMALL SCALE INDUSTRIES, STATIONERY, PAPER, INKS, CANDLES & EXPORT BUSINESS	* Paint Varnish Solvents & Coating Technology	* Hand Book of Bakery Industries
* Start Your Own Export Business (How To Export)	* Paint, Pigment, Solvent, Coating, Emulsion, Paint Additives & Formulations	* Hand Book of Confectionery with Formulations
* Start Your Own Small Business and Industry	* Technology of Coatings, Resins, Pigments & Inks Industries	* Breakfast, Dietary Food, Pasta & Cereal Products Technology
* Candle Making Processes & Formulations Hand-Book	* Mfg. Tech. & Formulations H.B. on Thinners, Putty, Wall & Indu. Finishes & Synthetic Resins	* Hand Book of Modern Bakery Products (2nd Edn.)
* Stationery, Paper Converting & Packaging Industries	* Technology of Synthetic Resins & Emulsion Polymers	* Modern Bakery Technology & Fermented Cereal Products with Formulae
* Modern Inks Formulae & Manufacturing Industries	* Technology of Paints and Coatings with Formulations	* Technology of Confectionery, Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop and Jelly Products with Formulations
* Profitable Businesses to Start for Entrepreneurs	* Powder Coating Technology Hand Book	AGRO CULTIVATION, ANIMAL FARMING, AGRO PLANTATION & AGRO CHEMICAL/PESTICIDES/ FLORICULTURE & BEE KEEPING
* Modern Small & Cottage Scale Industries	PLASTIC/POLYMER PROCESSING, COMPOUNDING, INJECTION MOULDING, ROTATIONAL MOULDING, PLASTIC FILM, FIBRE GLASS, PLASTIC WASTE RECYCLING, MOULDS, PET & RESINS, ADDITIVES INDUSTRIES	* Poultry Farm & Feed Formulae
* Profitable Small Cottage Tiny & Home Industries (2nd Edn.)	* Moulds Design & Processing Hand Book	* Hand Book of Pig Farming
BIO FUEL, BIO GAS & BIOPROCESSING	* Hand Book of Plastic Materials & Processing Technology	
* Technology of Bio-Fuel (Ethanol & Biodiesel)	* Injection Moulding of Plastics	
* Mod. Tech. of Bioprocessing	* Plastic Processing & Packaging Industries	
* Mod. Tech. of BioGas Production	* Plastic Waste Recycling Tech.	
SWEETS, NAMKEEN & SNACK FOOD	* Technology of Plastic Films	
* Tech of Sweets (Mithai) with Formulae	* Rotational Moulding Technology Hand Book	
* Technology of Sweets (Mithai), Namkeen and Snacks Food with Formulae	* Plastic Compounding, Master Batches, PET & Other Plastics	
	* Synthetic Resins Technology	

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

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Name of Books	Name of Books	Name of Books
NON WOVEN TECHNOLOGY	MINERAL AND MINERALS	PRODUCTS FROM WASTE
* Complete Tech. of Nonwovens Fabrics, CarryBags, Composite, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace and Absorbent Nonwoven	* Hand Book of Minerals and Minerals Based Industries	* Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda
PHARMACEUTICALS & DRUGS	RUBBER CHEMICALS, COMPOUNDS & RUBBER INDUSTRIES	* Products from Waste Technology Hand Book
* Pharmaceuticals and Drugs Technology with Formulations	* Rubber Chemicals & Processing Industries	WINE PRODUCTION
LEATHER & LEATHER PRODUCTS	* Modern Rubber Chemicals, Compounds & Rubber Goods Technology	* Technology of Wine Production and Packaging
* Hand Book of Leather & Leather Products Technology	* Technology of Rubber & Rubber Goods Industries	ORGANIC FARMING & FOOD/NEEM
BIOTECHNOLOGY	AYURVEDIC MEDICINES	* Hand Book of Organic Farming and Organic Foods with Vermi-Composting & Neem Product
* Hand Book of Biotechnology	* Ayurvedic & Herbal Medicines with Formulae	FISH FARMING & FISHERY PRODUCTS
CERAMICS & CERAMIC PROCESS	* Hand Book of Ayurvedic Medicines with Formulations (A Complete Hand Book of Ayurvedic & Herbal Medicines)	* Hand Book of Fish Farming and Fishery Products
* H.B.of Ceramics & Ceramics Processing Technology	STAINLESS STEEL, NON FERROUS METALS, BILLETS & ROLLING MILL	TEXTILE AUXILIARY & CHEMICALS
TREE FARMING	* Modern Technology of Non Ferrous Metals and Metal Extraction	* Textile Auxiliaries and Chemicals with Processes & Formulations
* Hand Book of Tree Farming	* Processing Technology of Steels and Stainless Steels	* Technology of Textile Chemicals with Formulation
MUSHROOM PROCESSING	* Modern Technology of Rolling Mill, Billets, Steel Wire, Galvanized Sheet, Forging & Castings	* Modern Technology of Textile Auxiliary and chemicals with formulations
* Hand Book of Mushroom Cultivation, Processing & Packaging	* Manufacturing Technology of Non-Ferrous Metal Products	* Textile Processing Chemicals, Enzymes, Dye Fixing Agents and Other Finishes with Project Profiles
BIOFERTILIZERS & VERMICULTURE	FOOD ADDITIVES/CHEMICALS AND SWEETENERS & FOOD EMULSIFIERS	DISINFECTANTS, CLEANERS, PHENYL, DEODORANTS, DISHWASHING DETERGENTS ETC.
* Biofertilizers & Vermiculture	* Modern Technology of Food Additives, Sweeteners and Food Emulsifiers	* Manufacture of Disinfectants, Cleaners, Phenyl, Repellents, Deodorants, Dishwashing Detergents & Aerosols with Formulations
BIODEGRADABLE PLASTICS AND POLYMERS	* Technology of Food Chemicals, Pigments and Food Aroma Compounds	COFFEE & COFFEE PROCESSING
* Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers and Others)	DISPOSABLE MEDICAL PRODUCTS	* Start Your Own Coffee & Coffee Processing
* Production of Biodegradable Plastics and Bioplastics Technology	* Technology of Disposable Medical Products	CASTING TECHNOLOGY
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* Complete Hand Book on Frozen Food Processing & Freeze Drying Technology	* Technology of Soya Milk, Tofu, Hydrolyzate, Allied Soybean Products with project Profiles	ONION DEHYDRATION
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24. Ice Cream Technology and formulae	63. Pet Bottles, Preform & Pet Recycling	102. Manufacture of Disinfectants, Cleaners, Phenyl, Repellents, Deodorants, Dishwashing Detergents and Aerosols with Formulations
25. Hand Book of Lubricants, Greases and Petrochemicals Technology	64. Plastic Additives Technology Hand Book	103. Complete Book on Identification of Plastics and Plastic Product Materials
26. Medicinal & Aromatic Plant Cultivation, Utilisation & Extraction Processes	65. Plastic Waste Recycling Technology	104. Technology of Solar PV Panels, Energy, Cells, Lantern, Cooler, Light System, CFL Inverter, Photo Voltaic System, Power Plant etc. (A Complete handbook on Solar & Solar Products)
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34. Tech. of Food Processing Industries	73. Soybean Products with Formulae	
35. Technology of Perfumes, Flavours and Essential Oils	74. Agro Processing and Food Packaging Products with Project Profiles	
36. Technology of PVC Compounding and Its Applications	75. Soya Milk, Tofu, Hydrolyzate, allied Soyabean Product with Project Profiles	
37. Technology of Rubber & Rubber Goods Industries	76. Products from Waste Technology	
38. Technology of Sweets (Mithai) with Formulae	77. Food Additives, Sweeteners	
39. Technology of Synthetic Dyes, Pigments & Intermediates	78. Food Chemicals, Pigments and Food Aroma Compounds	
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