

HI-TECH PROJECTS

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

*March - 2015 Issue
(E-copy)*



ENGINEERS INDIA RESEARCH INSTITUTE

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JUST PREPARED NEW PROJECTS FOR YOU

DENIM CLOTH

Cloth food and shelter are the basic needs of every human being. In the early years of human existence human beings covered themselves with leaves and other such raw Products so as to protect themselves against the natural conditions with the passage of time man began in search for an alternative and a much better way to protect himself and thus developed hand woven cloth slowly and gradually the technique of cloth making gained momentum as a result of which a fine variety of clothes come into existence. Today with the rapid industrialization.

Cost Estimation

Plant Capacity	15000 Mtrs./Day
Land & Building (10000 sq.mt.)	Rs. 6.67 Cr.
Plant & Machinery	Rs. 5.39 Cr.
W.C. for 3 Months	Rs. 15.62 Cr.
Total Capital Investment	Rs. 29.42 Cr.
Rate of Return	60%
Break Even Point	35%

SOLVENT EXTRACTION PLANT OF COTTON SEED

Cotton the king of natural fibres is mainly cultivated for its lint which is the most sought after textile fibre till date due to its inherent ecofriendly and comfort characteristics. It is also one of the important cash crops of many of the Afro-Asian countries like India, Iran, Egypt, Sudan, Uzbekistan, Tanzania etc. and plays a major role in their economic development. However, of late, cotton cultivation in general and especially in these countries is becoming non-remunerative on account of higher cost of inputs by way of plant protection measures, low productivity in rain fed cultivation, etc. As a result, the cultivators are not able to get adequate returns commensurate with their inputs.

Cost Estimation

Capacity	Cotton Seed Prcssng 200 MT/Day
	Refined Oil Processing 50 MT/Day
	CottonMeal Recovery 200 MT/Day
Land & Building (Area 4 Acres)	Rs. 4.65 Cr.
Plant & Machinery	Rs. 20.50 Cr.
W.C. for 2 Months	Rs. 26.37 Cr.
Total Capital Investment	Rs. 52.29 Cr.
Rate of Return	43%
Break Even Point	42%

SPINNING COTTON

They then made aprours of fig leaves to cover their nudity. Be that as it may, the first evidence we have of cloth being used is during neolithic age (6000 years ago) when we find that the strands of animal and vegetable fibre were made into thread by twisting by hand, the thread plaited together and then woven into a simple pit-loom into cloth.

Cost Estimation

Plant Capacity	50 Ton./Day
Land & Building (7500 sq.mt.)	Rs. 8.07 Cr.
Plant & Machinery	Rs. 8.51 Cr.
W.C. for 2 Months	Rs. 21.60 Cr.
Total Capital Investment	Rs. 38.52 Cr.
Rate of Return	34%
Break Even Point	41%

MANGO POWDER AND OTHER FREEZE DRIED PRODUCTS

Mango (Mangifera indica. L) is the most important fruit of Asia and its total production currently ranks fifth among the major fruit crops, world wide, after banana and plantains. The nutritional importance of mango is mainly due to its b-carotene content, which ranges from 800- 13000mg/100g of mango depending on the cultivars. India is also one of the largest producers and consumers of Dry Mango Powder. **Cost Estimation**

Plant Capacity	3 Ton/Day Mango Powder
	3 Ton/Day Fruits & Vegetables Drying
Land & Building (8000 sq.mt.)	Rs. 8.78 Cr.
Plant & Machinery	Rs. 9.81 Cr.
W.C. for 1 Months	Rs. 1.67 Cr.
Total Capital Investment	Rs. 20.85 Cr.
Rate of Return	36%
Break Even Point	47%

MENTHOL OIL FROM LEAVES AND MENTHOL CRYSTALS(PEPPERMINT)

There is a happy news for all the members that menthol mentholised mentha oil spearmint oil, citrate oil an also bazil oil from northern Indian house found roads into other countries. thanks our exporters who have taken the pains and lead in exporting these oil at the right movement otherwise the price use bound to crash the year.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (5000 sq.mt.)	Rs. 5.91 Cr.
Plant & Machinery	Rs. 2.40 Cr.
W.C. for 1 Months	Rs. 20.26 Cr.
Total Capital Investment	Rs. 29.40 Cr.
Rate of Return	35%
Break Even Point	36%

DIETARY FIBRE & ANTIOXIDANT FROM APPLE POMACE

We have just prepared the project report on this subject.

Cost Estimation

Plant Capacity	30 MT./Day
Land & Building (4046 sq.mt.)	Rs. 1.20 Cr.
Plant & Machinery	Rs. 2.35 Cr.
Total Capital Investment	Rs. 4.55 Cr.
Rate of Return	30%
Break Even Point	51%

MANUFACTURE OF CELLULOSE ACETATE

The establishment of the Rayon industry made the cellulose plastic an economic possibility. We have just prepared the project report on this subject.

Cost Estimation

Plant Capacity	168.33 Ton/Day
Land & Building (5000 sq.mt.)	Rs. 8.88 Cr.
Plant & Machinery	Rs. 1.75 Cr.
W.C. for 1 Months	Rs. 75.12 Cr.
Total Capital Investment	Rs. 86.33 Cr.
Rate of Return	70%
Break Even Point	34%

COAL TAR PITCH

Coal tar pitch is a byproduct of turning coal into coke or coal gas. It is a sticky, dark brown or black liquid that resists flowing and has a very strong smell. In most cases, the volume of coal tar pitch used in medicinal preparations is very small in comparison to the amounts produced.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (Area 1 Acre)	Rs. 1.54 Cr.
Plant & Machinery	Rs. 1.11 Cr.
W.C. for 3 Months	Rs. 6.12 Cr.
Total Capital Investment	Rs. 8.98 Cr.
Rate of Return	45%
Break Even Point	43%

MARBLE - GRANITE CUTTING & POLISHING

The marble industry in India has a chequered history. The first marble stone in India was found in the Makrana of erstwhile Rajputana, It was the marble of Makrana that was used in fabulous monumental structure erected centuries ago in India and elsewhere. The world-famous Taj Mahal at Agra, the Victoria Memorial at Kolkata and Jaswant Memorial at Jodhpur bear the testimony to the marble supplied from Makrana. The construction viability of marble stone has been proved beyond doubt as these structures have weathered the vagaries of climate through the centuries.

Cost Estimation

Plant Capacity	16000 SQF./Day
Land & Building (2500 sq.mt.)	Rs. 2.31 Cr.
Plant & Machinery	Rs. 1.11 Cr.
W.C. for 1 Months	Rs. 2.19 Cr.
Total Capital Investment	Rs. 5.80 Cr.
Rate of Return	61%
Break Even Point	38%

RICE SHELLER

Rice sheller is the process that helps in removal of hulls and bran from Paddy grains to produce polished rice. The objective of rice milling is to get whole grain rice and preserve most of the rice kernel, in their approximate original shape. In order to improve nutritional and cooking quality of rice, a pre-treatment is given to paddy and the rice so obtained by milling the pretreated paddy is known as parboiled rice. Today, due to Industrialization and global competitive market trend, it has emerged as one of the major industrial activity in tiny, small, medium and large scale sector to cater to the needs of increasing population.

Cost Estimation

Plant Capacity	40 Ton/Day
Land & Building (1.5 Acres)	Rs. 3.35 Cr.
Plant & Machinery	Rs. 2.23 Cr.
W.C. for 3 Months	Rs. 5.07 Cr.
Total Capital Investment	Rs. 10.97 Cr.
Rate of Return	41%
Break Even Point	40%

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23

**DAIRY FARMING
(BUFFALO & COWS),
DAIRY PRODUCTS
AND OTHER
MILK PROCESSING
INDUSTRIES**

PROJECT NAME	PROJECT COST IN Rs.
1. BUTTER MILK	100 Lacs
2. CASEIN FROM MILK	22 Cr.
3. CONDENSED SWEETENED MILK WITH CONTAINERS MANUFACTURING	41 Cr.
4. CONDENSED MILK SWEETENED	53 Cr.
5. DAIRY FARM TO PRODUCE MILK & GOAT FARM	56 Cr.
6. DAIRY FARMING & DAIRY PRODUCTS	204 Lacs
7. DAIRY FARM TO PRODUCE MILK (JERSEY COW)	45 Lacs
8. DAIRY FARM TO PRODUCE MILK (BUFFALO)	24 Lacs
9. DAIRY DEVELOPMENT	185 Lacs
10. FLAVOURED MILK (STERILIZED)	62 Lacs
11. GHEE AND BUTTER	106 Lacs
12. ICE CREAM OF DIFFERENT FLAVOURS	78 Lacs
13. LACTOSE AND BY-PRODUCTS PROCESSING FROM MILK	14 Lacs
14. MILK TOFFEE MANUFACTURES	12 Lacs
15. MITHAI/HALWAI (SWEET & NAMKEEN)	46 Lacs
16. MILK POWDER & GHEE	145 Lacs
17. MILK CHILLING PLANT	73 Lacs
18. MILK PROCESSING PLANT	162 Lacs
19. PROCESSED CHEESE	68 Lacs
20. PEANUT MILK, KEFIR, FLAVOURED PEANUT MILK BEVERAGE	13 Lacs
21. SOYA MILK & PANEER	148 Lacs
22. TONED MILK	6.66 Cr.
23. YOGHURT	2.38 Cr.

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

Price of this CD containing all above 23 Project Reports is **Rs. 17,978/-** or US\$ 500/-. Payable fully in advance through Draft/M.O. in favour of **ENGINEERS INDIA RESEARCH INSTITUTE, DELHI**. Delivery within 3 days. (To Order please dial : 098114-37895).

ANTIFOAMING/ DEFOAMING AGENT

The introduction and stabilisation of hydrophobic materials like binder molecules, pigments and fillers into waterbased coating systems has to occur through surface active materials. Binder molecules of aqueous dispersions are stabilised by emulsifiers; pigments and fillers are incorporated by wetting and dispersing agents into an aqueous medium. All surface active materials, however, tend to foam in aqueous systems. The stabilisation of bubbles by surfactant molecules is the main assumption for foam formation. The extend of the creation of foam is influenced by other factors: formulation ingredients, production & application methods and also the substrate can support the creation of foam and increase or decrease the efficiency of a defoamer.

Cost Estimation

Plant Capacity	10 Ton/Day
Land & Building (5000 sq.mt.)	Rs. 8.88 Cr.
Plant & Machinery	Rs. 1.06 Cr.
Total Capital Investment	Rs. 15.85 Cr.
Rate of Return	39%
Break Even Point	36%

Patrons : you can deposit the amount in EIRI Current Account UNION BANK OF INDIA 307201010015149 (IFS Code: UBIN0530727)

Top Industries to Start

FRUIT RIPENING CHAMBER

Ripening is the process by which fruits attain their desirable flavour, quality, colour and other textural properties. Non-Climacteric: Non-climacteric fruits once harvested do not ripen further. Non-climacteric fruits produce very small amount of ethylene and do not respond to ethylene treatment. There is no characteristic increased rate of respiration or production of carbon dioxide.

Cost Estimation

Plant Capacity	1600 Ton/Annum
Land & Building (800 sq.mt.)	Rs. 1.16 Cr.
Plant & Machinery	Rs. 1.10 Cr.
W.C. for 2 Months	Rs. 57 Lacs
Total Capital Investment	Rs. 3.29 Cr.
Rate of Return	31%
Break Even Point	59%

ALOEVERA CULTIVATION & PROCESSING

Aloe barbadensis Mill, popularly known as Aloe vera originated in the warm, dry climates of Africa. However, because of its wide adaptability as well as its importance as medicinal plants, it is well distributed. The virtues of the plant have been recorded by many great civilizations, from those of Persia and Egypt in the Middle East, to those of Greece and Italy in Europe, to those of India and the African continent. The plant is widely known in Asia and the Pacific, and is found in the folklore of the Japanese, the Philippines and the Hawaiians. The Spanish used Aloe, and carried it with them to their new world colonies in South America and the Caribbean. In each age, on each continent, in each culture. Aloe vera has drawn the attention of the most sophisticated minds.

Cost Estimation

Plant Capacity	1200 Kgs./Day
Land & Building (10000 sq.mt.)	OWNED
Plant & Machinery	Rs. 55 Lacs
W.C. for 1 Months	Rs. 53 Lacs
Total Capital Investment	Rs. 1.32 Cr.
Rate of Return	249%
Break Even Point	24%

MINERAL WATER AND PET BOTTLING PLANT

Mineral Water originally meant water from various natural springs which are thought to be having medicinal and curative value. These spring waters, although contain dissolved chemicals of medicinal properties, also contain harmful micro-organisms. Besides this the underground and surface water is also not potable due to hardness as well as due to presence of toxic substances and Bacteria. This re-quires suitable treatment and purification to make it safe and potable drinking water with long shelf life.

Cost Estimation

Plant Capacity	16000 Ltrs./Day
Land & Building (Area 800 sq.mt.)	OWNED
Plant & Machinery	Rs. 32 Lacs
Total Capital Investment	Rs. 1.02 Cr.
Rate of Return	69%

SYNTHETIC MAGNESIUM SILICATES

Synthetic magnesium silicates are white, odorless, finely divided powders formed by the precipitation reaction of water soluble sodium silicate (water glass) and a water soluble magnesium salt such as magnesium chloride, magnesium nitrate or magnesium sulfate.

Cost Estimation

Plant Capacity	50 Tons/Day
Land & Building (5000 sq.mt.)	Rs. 8.88 Cr.
Plant & Machinery	Rs. 2.30 Cr.
W.C. for 3 Months	Rs. 5.12 Cr.
Total Capital Investment	Rs. 16.97 Cr.
Rate of Return	125%
Break Even Point	17%

EPHEDRINE HYDROCHLORIDE

It is soluble in water, alcohol, ether, chloroform and oils. Its major use in medicine is as bronchodilator. We have just prepared the DPR on this Subject, Cost Rs. 16884.00 in India

Cost Estimation

Plant Capacity	300 Kgs./Day
Land & Building (1500 sq.mt.)	Rs. 1.19 Cr.
Plant & Machinery	Rs. 1.08 Cr.
W.C. for 2 Months	Rs. 95 Lacs
Total Capital Investment	Rs. 3.54 Cr.
Rate of Return	34%
Break Even Point	51%

DIAGNOSTIC LAB AND ONLINE TRADING BUSINESS

Physicians need confidence that the results provided by the microbiology laboratory are accurate, significant, and clinically relevant. Anything less is below the community standard of care. In order to provide that level of quality, however, the laboratory requires that all microbiology specimens be properly selected, collected, and transported to optimize analysis & interpretation. Because result interpretation in microbiology depends entirely on the quality of the specimen submitted for analysis, specimen management cannot be left to chance, and those that collect specimens for microbiologic analysis must be aware of what the physician needs as well as what the laboratory needs, including ensuring that specimens arrive at the laboratory for analysis as quickly as possible after collection.

Cost Estimation

Land & Building (Area 1500 sq.ft.)	RENTED
Plant & Machinery	Rs. 45 Lacs
W.C. for 1 Months	Rs. 28 Lacs
Total Capital Investment	Rs. 97 Lacs
Rate of Return	45%
Break Even Point	54%

ACTIVATED BLEACHING EARTH

Plant Capacity	30 Ton./Day
Land & Building (7500 sq.mt.)	US\$ 20.11 Lac
Plant & Machinery	US\$ 3.67 Lac
Total Capital Investment	US\$ 29.91 Lac
Rate of Return	41%
Break Even Point	41%

Start Your Own Industry

14 POTATO AND POTATO BASED PROJECTS Rs. 13,485/-

AAC & ACSR ALUMINIUM CONDUCTORS

Aluminium Conductors (i) All Aluminium Conducts (AAC) (ii) All Alloy Aluminium Conductors (AAAC), and (iii) Aluminium Conductors Steel Reinforced (ACSR) are used in Transmission and Distribution system to carry the generated electrical energy from generating station to end user. The Electrical energy is normally generated at the power stations far away from the urban areas where the consumers are located.

Cost Estimation

Plant Capacity	2.93 MT./Day
Land & Building (2000 sq.mt.)	Rs. 1.89 Cr.
Plant & Machinery	Rs. 1.38 Cr.
Total Capital Investment	Rs. 5.04 Cr.
Rate of Return	37%
Break Even Point	53%

CEREAL MILLING

Cereal milling and secondary processing are major source of income and Cereal processing therefore offers very good opportunities for small scale enterprises. The technology is available and affordable, the demand for products is high. The main type of Cereal milled product are Maize flour, Rice flour, Sorghum flour, Millet flour etc. After cereal has been ground to flour they can be processed in a variety of ways and combined with potentially hundred of other ingredients to produce a vast range of processed cereal produced. The high demand for cereal flour and bakery products especially in Urban area has led to strong competition as more and more people start to produce these products.

Cost Estimation

Plant Capacity	30 Ton./Day
Land & Building (Area 1 Acre)	Rs. 2.80 Cr.
Plant & Machinery	Rs. 1.28 Cr.
Total Capital Investment	Rs. 9.47 Cr.
Rate of Return	23%

BAGS MANUFACTURING (ALL TYPES)

Bags (Domestic and Industrial) are used in day to day life in almost all countries for packaging of variety of articles. skybag manufacturing industry consists of large number of units of the small scale and cottage industry sector and is highly labour intensive providing job to millions of people. It draws its major raw material fabric cloth from the decentralised powerloom sector thus giving substance to a large number of weavers engaged there in. The fabric used is of cotton, linen. Bags (Domestic and Industrial) of various constructions are used largely in the transportation and storage of dry chemicals and other variety of consumer items.

Cost Estimation

Land & Building (Area 450 sq.mt.)	Rs. 55 Lacs
Plant & Machinery	Rs. 30 Lacs
W.C. for 2 Months	Rs. 47 Lacs
Total Capital Investment	Rs. 1.44 Cr.
Rate of Return	38%
Break Even Point	56%

MINI OIL PLANT SUITABLE FOR GROUNDNUT OIL AND COTTON SEED OIL

Ground Nut Powder otherwise known as peanut oil, arachis oil, or earthnut oil, is one of the two or three most important edible Oils in (oil content 45-55%) of the plant arachis hypogaea, which is grown in large quantities in Africa, India and china. The oil is pale yellow and has the characteristic order and flavour of peanuts. Compared with other seed oils, particularly cottonseed oil, it is relatively free of phosphatides and nonoil constituents.

Cost Estimation

Plant Capacity	10 Ton./Day
Land & Building (3000 sq.mt.)	Rs. 3.98 Cr.
Plant & Machinery	Rs. 93 Lacs
Total Capital Investment	Rs. 8.35 Cr.
Rate of Return	39%
Break Even Point	41%

RASGULLA MANUFACTURING AND CANNING

Dairy products are a major source of cheap and nutritious food to millions of people in India and the only acceptable source of animal protein for large vegetarian segment of Indian population, particularly among the landless, small and marginal farmers and women. India's high-value, high-volume market for traditional dairy products and delicacies is all set to boom further under the technology of mass production. This market is the largest in value after liquid milk and is estimated at US \$3 billion in India and US \$1 billion overseas. More and more dairy plants in the public, cooperative and private sectors in India are going in for the manufacture of traditional milk products. 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	2000 KGS/Day
Land & Building (Area 500 sq.mt.)	Rs. 27 Lacs
Plant & Machinery	Rs. 46 Lacs
W.C. for 2 Months	Rs. 81 Lacs
Total Capital Investment	Rs. 1.64 Cr.
Rate of Return	49%
Break Even Point	44%

CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMENT

ABOUT ETHIOPIA: The Federal Democratic Republic of Ethiopia is located in the north-eastern part of Africa commonly known as the Horn of Africa. It is strategically proximate to the Middle East and Europe, together with its easy access to the major ports of the region, enhances its international trade.

Cost Estimation

Plant Capacity	4000 Ha/Season
Land & Building (10000 sq.mt.)	Rs. 42.84 Lac
Plant & Machinery	Rs. 16.80 Lac
Total Capital Investment	Rs. 83.38 Lac
Rate of Return	11%
Break Even Point	82%

1. ALCOHOL FROM POTATOES
2. DEXTROSE POWDER FROM POTATOE
3. FROZEN FINGER CHIPS
4. IM F L (WHISKY) FROM POTATOES
5. LIQUID GLUCOSE
6. POTATO CHIPS/WAFFERS
7. POTATO POWDER(AUTOMATICPLANT)
8. POTATO STARCH
9. POTATO CHIPS
10. POTATO AND ONION FLAKES
11. POTABLE BEER (ALCOHOLIC) BASED ON POTATO & BARLEY/MALT
12. POTATO POWDER
13. SAGO SEEDS (SABOO DANA)
14. VODKA FROM POTATOES

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DAIRY FARMING (BUFFALOES)

Buffalo dairy farming is profitable venture for India. The demand of milk in India is growing gradually. EIRI have recently prepared the Project Report on this industry.

Cost Estimation

Plant Capacity	6250 Ltrs./Day
Land & Building (15000 sq.mt.)	Rs. 9.60 Cr.
Plant & Machinery	Rs. 2.02 Cr.
Total Capital Investment	Rs. 14.05 Cr.
Rate of Return	14%

MODULAR FURNITURE SYSTEM RELATED PRODUCTS (ARCHITECTURAL PROFILES, OFFICE FURNITURE FITTINGS, HOME & KITCHEN FITTINGS ETC.)

This project proposal has been made for setting up of an unit for modular furniture system related products with designing and manufacturing of plastic extrusions, PVC Compounding, processing of PVC coils etc. The trimmings profile is a revolutionary solution to conceal unglazed tile edges, exposed ceilings around columns, wall coves and rugged edges. Movement joint is manufactured with flexible connections to allow for controlled movement or expansion of floor / wall coverings due to thermal extraction or contraction, insulation properties or vapour resistance to building.

Cost Estimation

Plant Capacity	3000 KGS/Day
Land & Building (2000 sq.mt.)	Rs. 1.87 Cr.
Plant & Machinery	Rs. 1.43 Cr.
W.C. for 2 Months	Rs. 1.61 Cr.
Total Capital Investment	Rs. 5.50 Cr.

Start Your Own Industry

COPPER POWDER FROM COPPER SCRAP

Copper Powder is the basic raw material for many of the sintered products. These products find their uses in aircrafts, space crafts, parts for guns, porous metal bearings, filter gas diffusers, welding rods, bimetallic strips and electrical parts. The usage of copper powder has increased manifold by virtue of its physical properties, long life high scrap value and wide range of uses. Next to iron and steel, it is widely used in the market.

Cost Estimation

Plant Capacity	2 MT./Day
Land & Building (1000 sq.mt.)	Rs. 1.04 Cr.
Plant & Machinery	Rs. 45 Lacs
W.C. for 2 Months	Rs. 4.64 Cr.
Total Capital Investment	Rs. 6.31 Cr.
Rate of Return	43%
Break Even Point	45%

DIGITAL PHOTOPAPER/INKJET PHOTOPAPER

Digital Photo paper and Inkjet photo paper is a coated paper designed specifically for reproduction of photograph. The print image is traditionally produced by interposing a photographic negative between the light source and the paper, either by direct contact with a large negative (forming a contact print) or by projecting the shadow of the negative onto the paper (producing an enlargement). The initial light exposure is carefully controlled to produce a gray scale image on the paper with appropriate contrast and gradation.

Cost Estimation

Plant Capacity	3 MT./Day
Land & Building (1000 sq.mt.)	Rs. 82 Lacs
Plant & Machinery	Rs. 1.54 Cr.
W.C. for 3 Months	Rs. 2.53 Cr.
Total Capital Investment	Rs. 5.17 Cr.
Rate of Return	27%
Break Even Point	58%

STONE CRUSHER

Crushed stone is segregated into various sizes like 35mm, 20mm, 12mm, etc for different uses. Crushed stone aggregates are used for construction of roads, bridges, housing, industrial building construction and other cement based products like RCC pipes, PSC poles, premoulded slabs, frames and beams, etc for fabrication. It is advantageous if the crushed stone unit is set up near the quarries where the granite boulders of various sizes are available for the crushing unit.

Cost Estimation

Plant Capacity	2880 MT./Day
Land & Building (Area 3 Acres)	Rs. 3.05 Cr.
Plant & Machinery	Rs. 2.39 Cr.
W.C. for 2 Months	Rs. 3.66 Cr.
Total Capital Investment	Rs. 9.26 Cr.
Rate of Return	68%
Break Even Point	35%

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DISTILLERY

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 and 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 group of spirits. The aurd whisky comes from the Gaelic word wisge-beatha, as the Irish called it, incoming the water of life.

Cost Estimation

Plant Capacity	60000 Ltrs./Day
Land & Building (Area 10 Acres)	Rs. 7.31 Cr.
Plant & Machinery	Rs. 21.34 Cr.
W.C. for 3 Months	Rs. 23.34 Cr.
Total Capital Investment	Rs. 61 Cr.
Rate of Return	71%
Break Even Point	38%

KAOLIN FOR ROAD MAKING

Kaolins, smecties, Hormites & miscellaneous clay from an important industrial mineral group because of their fine particle size. Particle, shape and surface chemistry, they have unique colloidal and physical properties. Kaolin is one of the most versatile of the industrial minerals and is used extensively for many application. All Kaolin that are used as paper coating clay and most that are used as filler clay are processed because practically no deposits are naturally pure usually benification is accomplished by one of two basic processes a dry process or a wet process.

Cost Estimation

Plant Capacity	60 MT./Day
Land & Building (Area 2 Acres)	Rs. 2.30 Cr.
Plant & Machinery	Rs. 1.16 Cr.
Total Capital Investment	Rs. 4.10 Cr.
Rate of Return	18%
Break Even Point	64%

FATLIQUOR FOR LEATHER APPLICATIONS USING CHLORINATED PARAFFIN WAX

Fat liquors basically are lubricants for leather. The final softness, feel and touch of leather are determined by use of different fat liquors. Technically fatliquors are surface-active softening agents and are used in the last of the wet processes stage of leather manufacture. Soap is one form or the other was the only cleaning wetting, emulsifying and dispersing agent available. Its ability to stand hard water and acid led to its development as a product possessing the valuable properties of soap without its defects.

Cost Estimation

Plant Capacity	6.67 Tons/Day
Land & Building (3000 sq.mt.)	Rs. 1.30 Cr.
Plant & Machinery	Rs. 1.10 Cr.
Total Capital Investment	Rs. 3.02 Cr.
Rate of Return	25%
Break Even Point	62%

COMMERCIAL DAIRY FARMING & MILK PROCESSING UNIT WITH PACKAGING IN POUCHES

A dairy is a place for handling milk and milk products. Technology refers to the application of scientific knowledge for practical purposes. Dairy technology has been defined as that branch of dairy science which deals with the processing of milk and the manufacture of milk products on an industrial scale.

Cost Estimation

Plant Capacity	4000 Ltrs./Day
Land & Building (Area 1 Acre)	Rs. 1.14 Cr.
Plant & Machinery	Rs. 36 Lacs
W.C. for 1 Months	Rs. 9 Lacs
Total Capital Investment	Rs. 2.15 Cr.
Rate of Return	23%
Break Even Point	59%

PRESSURIZED AEROSOLS (Like Body Sprays, Perfumes, Shaving Foam and Shaving Lotions etc.)

Humans are decisively influenced by their sense of taste and odour and human history is, therefore, closely tied to the development and usage of flavours. Whereas in rehistoric times, only herbs and spices could be employed for flavouring purposes, today a broad spectrum of flavourings is available, not only for use in the individual household, but especially for the production of food on an industrial scale. The application of all products from the flavour and fragrance industry is solely aimed at enhancing the human striving for increased pleasure and sensual enjoyment.

Cost Estimation

Plant Capacity	36000 Nos./Day
Land & Building (1200 sq.mt.)	Rs. 3.84 Cr.
Plant & Machinery	Rs. 49 Lacs
W.C. for 3 Months	Rs. 12.24 Cr.
Total Capital Investment	Rs. 17.33 Cr.
Rate of Return	184%
Break Even Point	14%

FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN

This pre-feasibility gives an insight into various aspects of planning, setting up and operating a fast food restaurant for the general populace. Fast food is food which is prepared and served quickly at outlets called fast-food restaurants. It is a multi-billion dollar industry which continues to grow rapidly in many countries. A fast-food restaurant is a restaurant characterized both by food which is supplied quickly after ordering, and by minimal service. The food in these restaurants is often cooked in bulk in advance and kept warm, or reheated to order.

Cost Estimation

Land & Building	RENTED
Plant & Machinery	Rs. 1.25 Cr.
Total Capital Investment	Rs. 1.49 Cr.
Rate of Return	34%
Break Even Point	68%

Top Industries to Start

HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/MEDIUM/HIGH CAST)

The synthetic detergent industry is one of the largest chemical process industries. The most recent estimates indicate an annual U.S production of synthetic detergents of about 3 million tons with an approximate annual value of 2 billion. The industry differs from many other chemical process industries, however, in that the bulk of its production is sold directly to individuals for house hold consumption primarily as branded products, rather than to industrial or institutional users.

Cost Estimation	
Plant Capacity	2 MT./Day
Land & Building (1500 sq.mt.)	Rs. 2.25 Cr.
Plant & Machinery	Rs. 50 Lacs
W.C. for 3 Months	Rs. 1.49 Cr.
Total Capital Investment	Rs. 4.34 Cr.
Rate of Return	28%
Break Even Point	51%

ASSEMBLY OF AIR-CONDITIONER/CHEST FREEZER/REFRIGERATOR UNDER ONE PRODUCTION LINE

The early attempts at air conditioning were aimed solely at providing human comfort. Colder fields were sought to be covered in the nineteenth century, and it was during this period that the foundation of modern air conditioning was laid with the controlling of humidity conditions in cotton textiles mills. In the initial stages, the air in the textile mills was humidified by evaporating water from steam ports in order to reduce breakages and static electricity of cotton yarns. The principles of air conditioning were then gradually extended to industries like printing.

Cost Estimation	
Plant Capacity	300 Units/Day
Land & Building (Area 7 Acres)	Rs. 20.50 Cr.
Plant & Machinery	Rs. 6.93 Cr.
W.C. for 1 Months	Rs. 9.99 Cr.
Total Capital Investment	Rs. 37.88 Cr.
Rate of Return	30%
Break Even Point	52%

CHLORINATED PARAFFIN WAX (CPW)

CPWs are chlorinated normal-alkanes with carbon chain lengths of between 10 and 30 carbon atoms and chlorinated to 40% to 70% by weight. General formula for Chlorinated Paraffins $C_xH_{(2x-y+2)}Cl_y$. Chlorinated paraffins (CPW) are made by chlorinating the paraffin fractions obtained from petroleum distillation. The paraffins are reacted with chlorine, resulting in chlorinated paraffins with varying degree of chlorination.

Cost Estimation

Plant Capacity	25 MT./Day
Land & Building (Area 1 Acres)	Rs. 2.64 Cr.
Plant & Machinery	Rs. 6.39 Cr.
W.C. for 2 Months	Rs. 13.21 Cr.
Total Capital Investment	Rs. 22.98 Cr.
Rate of Return	27%
Break Even Point	47%

EPDM RUBBER PROFILES

Ethylene Propylene Diene Monomer Rubber, also named as EPDM in short, is the polymer of ethylene and propylene. Large scale commercial production began in 1963 and the current overall global consumption of EPDM are 800,000 tons per year. EPDM is polyolefine - categorised and has excellent performance of vulcanization and its gravity is the lowest among all rubbers. These are radon copolymers of the two hydrocarbons ethylene and propylene with the ethylene varying from 40 to 70% by weight.

Cost Estimation	
Plant Capacity	3 MT./Day
Land & Building (3000 sq.mt.)	Rs. 1.58 Cr.
Plant & Machinery	Rs. 1.80 Cr.
W.C. for 2 Months	Rs. 1.16 Cr.
Total Capital Investment	Rs. 4.69 Cr.
Rate of Return	40%
Break Even Point	47%

UNSATURATED POLYESTER RESINS

Polyester resins are unsaturated resins formed by the reaction of dibasic organic acids and polyhydric alcohols. Polyester resins are used in sheet moulding compound, bulk moulding compound and the toner of laser printers. Wall panels fabricated from polyester resins reinforced with fiberglass so-called fiberglass reinforced plastic (FRP) are typically used in restaurants, kitchens, restrooms and other areas that require washable low-maintenance walls. polyesters are condensation polymers formed by the reaction of polyols (also known as polyhydric alcohols), organic compounds with multiple alcohol or hydroxy functional groups, with saturated or unsaturated dibasic acids.

Cost Estimation	
Plant Capacity	9 MT./Day
Land & Building (5000 sq.mt.)	Rs. 3.84 Cr.
Plant & Machinery	Rs. 1.41 Cr.
W.C. for 2 Months	Rs. 5.37 Cr.
Total Capital Investment	Rs. 11.23 Cr.
Rate of Return	57%
Break Even Point	33%

STEEL FORGING (AUTOMOBILE PARTS)

The forging industry, as it is known today, makes use of various types of forging equipment for the practical duplication of forged parts for commercial services such forging equipment includes the drop hammer, the trip and halve hammer, the forging machine (upsetter), the mechanical and hydraulic forging press, and the single and double frame general forging hammers.

Cost Estimation

Plant Capacity	4 Ton./Day
Land & Building (1500 sq.mt.)	Rs. 1.62 Cr.
Plant & Machinery	Rs. 49 Lacs
W.C. for 2 Months	Rs. 1.16 Cr.
Total Capital Investment	Rs. 3.38 Cr.
Rate of Return	45%
Break Even Point	47%

uPVC DOORS & WINDOWS PROFILES

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

Cost Estimation

Plant Capacity	4 Ton./Day
Land & Building (2500 sq.mt.)	Rs. 1.21 Cr.
Plant & Machinery	Rs. 2.65 Cr.
W.C. for 3 Months	Rs. 2.43 Cr.
Total Capital Investment	Rs. 6.45 Cr.
Rate of Return	40%
Break Even Point	46%

CIGARETTE MANUFACTURING UNIT

Cigarette consumption in India in 2010-11 reached 102 billion sticks, down from a peak of 109 billion sticks in 2006-07. Fewer than 6% of the adult population smoke cigarettes, representing a very small constituent of tobacco users in the country. Despite accounting for just 15% of tobacco consumption, cigarettes contribute 75% of total tobacco tax revenues, a situation that continues to create difficulties for the growth of the segment.

Cost Estimation

Plant Capacity	5 Million Sticks/Day
Land & Building (Area 4 Acres)	Rs. 9.72 Cr.
Plant & Machinery	Rs. 10.62 Cr.
Total Capital Investment	Rs. 44.60 Cr.
Rate of Return	59%
Break Even Point	32%

TOMATO POWDER

Cost Estimation

Plant Capacity	6 MT./Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 1.40 Cr.
W.C. for 2 Months	Rs. 8.32 Cr.
Total Capital Investment	Rs. 11.58 Cr.
Rate of Return	65%
Break Even Point	29%

Deposit amount in EIRI Account
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Best Industries to Start and Grow

DUSTLESS CHALK (SCHOOL CHALK)

Chalk was first formed into sticks for the convenience of artists. The method was to grind natural chalk to a fine powder, then add water, clay as a binder, and various dry colors. The resultant putty was then rolled into cylinders and dried. Chalk did not become standard in schoolrooms until the nineteenth century, when class sizes began to increase and teachers needed a convenient way of conveying information to many students at one time.

Cost Estimation

Plant Capacity	50000 Cases/Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 59 Lacs
W.C. for 2 Months	Rs. 5.45 Cr.
Total Capital Investment	Rs. 7.91 Cr.
Rate of Return	45%
Break Even Point	36%

ZINC SULPHATE (MONO HYDRATE & HEPTA HYDRATE)

Zinc sulphate is a widely used chemical and has been known under the name of "White Vitriol". Although Zinc Sulphate (mono hydrate) occurs in nature in small quantities as mineral Glosarite, this compound is normally manufactured synthetically. It is the colourless white free flowing powder. It exists in powder form of hydrates as, ZnSo4.H2O. Zinc sulphate is also found in three hydrates forms whose molecular formula's are ZnSo4.4H2O, ZnSo4.H2O.

Cost Estimation

Plant Capacity	15 MT./Day
Land & Building (4000 sq.mt.)	Rs. 5.07 Cr.
Plant & Machinery	Rs. 1.91 Cr.
Total Capital Investment	Rs. 9.42 Cr.
Rate of Return	38%
Break Even Point	44%

POTATO AND ONION FLAKES

Potato flakes are some of the most important form of dehydrated potato products that can be used in different ways including substitution for fresh mashed potatoes. Unlike French fries and crisps whose consumption patterns and diversity is well established, little or no information can be obtained on flakes in Kenya. This study was, therefore designed to assess the diversity and characteristics of potato flakes in Nairobi and Nakuru, Kenya. Potato flakes diversity and characteristics were determined through a structured questionnaire administered to attendants in 148 retail outlets (supermarkets and shops) followed by sampling and laboratory analysis of the available brands.

Cost Estimation

Plant Capacity	10 Ton/Day
Land & Building (3000 sq.mt.)	Rs. 33.67 Cr.
Plant & Machinery	Rs. 1.95 Cr.
W.C. for 2 Months	Rs. 9.85 Cr.
Total Capital Investment	Rs. 16.07 Cr.
Rate of Return	40%

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

GALVANISED WIRE

Mild Steel Galvanized steel wire popularly known as galvanized wire have extensive application in various field. It has got excellent demand in prestressed concrete product like railway sleeper, telegraph and telephone, electric pole etc. and also find ample application in pre-casted cement product like pipes, frames of door and windows etc. On the other hand it has its own market in the field of strands and also its domestic demand can not be ignored. The M.S. Wire are drawn to required dia and then galvanized i.e. coating of zinc is employed on it, gives excellent anticorrosion property to steel wire.

Cost Estimation

Plant Capacity	4 MT./Day
Land & Building (3000 sq.mt.)	Rs. 1.40 Cr.
Plant & Machinery	Rs. 1.22 Cr.
Total Capital Investment	Rs. 4.20 Cr.
Rate of Return	40%
Break Even Point	50%

PLASTIC WATER STORAGE TANKS

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.

Cost Estimation

Plant Capacity	100 Nos/Day
Land & Building (4000 sq.mt.)	Rs. 5.30 Cr.
Plant & Machinery	Rs. 1.94 Cr.
Total Capital Investment	Rs. 9.24 Cr.
Rate of Return	30%
Break Even Point	48%

HDPE MONO FILAMENT NETS

A tangle of monofilament fishing line. The most common colorless variety can be seen. Monofilament fishing line (shortened to just monofilament) is fishing line made from a single fiber of plastic. Most fishing lines are now monofilament because monofilament fibers are cheap to produce and are produced in a range of diameters which have different tensile strengths (called "tests" after the process of tensile testing). Monofilament line is also manufactured in different colors, such as clear, white, green, blue, red, and fluorescent. Monofilament is made by melting and mixing polymers and then extruding the mixture through tiny holes, forming strands of line, which is then spun into spools of various thicknesses. The extrusion process controls not only the thickness of the line but its test as well. DuPont made public in 1938 that their company had invented nylon.

Cost Estimation

Plant Capacity	77760 sq.mt./Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 3.35 Cr.
W.C. for 2 Months	Rs. 5.01 Cr.
Total Capital Investment	Rs. 10.10 Cr.
Rate of Return	28%
Break Even Point	48%

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Start Your Own Industry

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

Starch is an abundant carbohydrate distributed worldwide in plants. Starch has been a major ingredient in man's diet over the centuries. In addition it has become a major industrial raw material. Plant seeds, roots and tubers are all sources of industrial starch production. The commercial realities of the starch recovery process limit the industrial sources mainly to wheat, maize and tapioca. Indian starch industry mainly consumes maize as input raw material. Maize (Corn) contains about 70% starch, other components being protein, fibers and fat. The basis of the maize milling process is separation of the maize kernel into its different parts.

Cost Estimation

Land & Building (10 Acres)	Rs. 11.05 Cr.
Plant & Machinery	Rs. 41.85 Cr.
W.C. for 3 Months	Rs. 18.34 Cr.
Total Capital Investment	Rs. 72.81 Cr.
Rate of Return	26%
Break Even Point	55%

FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE)

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.

Cost Estimation

Plant Capacity	1250 KGS/Day
Land & Building (1500 sq.mt.)	Rs. 1.53 Cr.
Plant & Machinery	Rs. 28 Lacs
W.C. for 1 Months	Rs. 23 Lacs
Total Capital Investment	Rs. 2.14 Cr.
Rate of Return	26%
Break Even Point	60%

PU BASED FOOTWEARS

Polyurethanes can be manufactured in an extremely wide range of density and stiffness and have a broad range of applications. The densities of polyurethanes range from 6 to 1,220 kg/m³ and polymer stiffness of polyurethanes range from elastomers to flexible, rigid, and hard plastics. The global polyurethanes consumption has been growing at an average rate of over 7% annually for the

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last 15 years. Thus, it is not surprising that polyurethanes are all around us, from shoes to sofas, insulation panels to automobiles, playing an important role in many ways in our daily life. In the past, polyurethanes were usually made with petroleum polyols. With the dwindling and non-renewable petroleum resource, some novel polyols made from vegetable and seed oil have been investigated for their potential of replacing the petroleum polyols.

Cost Estimation

Plant Capacity	1000 Pairs/Day
Land & Building (10,000 sq.mt.)	Rs. 11.25 Cr.
Plant & Machinery	Rs. 1.40 Cr.
W.C. for 2 Months	Rs. 2.43 Cr.
Total Capital Investment	Rs. 15.77 Cr.
Rate of Return	15%
Break Even Point	65%

LEAD ACID BATTERY

Lead-Acid Battery comprises number of cells in a container. These cells contain positive (PbO₂) and negative (Pb) electrodes or plates separators to keep the plate apart, and sulphuric acid electrolyte. The electrochemical system is highly reversible and sulphuric acid electrolyte. The electrochemical system is highly reversible and can be discharged and charge repeatedly before failure of some sort causes the charge cycle to be impractical. There are numerous battery designs.

Cost Estimation

Plant Capacity	1680 Nos./Day
Land & Building (5000 sq.mt.)	Rs. 5.30 Cr.
Plant & Machinery	Rs. 1.31 Cr.
W.C. for 1 Months	Rs. 26.90 Cr.
Total Capital Investment	Rs. 33.82 Cr.
Rate of Return	74%
Break Even Point	33%

PRECIPITATED SILICA

Precipitated Silica (also called particulate silica) is composed of aggregates of ultimate particles of colloidal size that have not become linked in massive gel network during the preparation process. It is an amorphous form of silica, the word amorphous denotes a lack or crystal structure, as defined by x-ray diffraction. Early interest in amorphous silica was purely academic. These silica have high surface area, generally greater than 3m²/g. Micro amorphous silica can be further divided into microparticulate silica microscopic sheets & fibers & hydrated amorphous silica.

Cost Estimation

Plant Capacity	10 Ton/Day
Land & Building (5000 sq.mt.)	Rs. 7.46 Cr.
Plant & Machinery	Rs. 1.41 Cr.
W.C. for 2 Months	Rs. 2.36 Cr.
Total Capital Investment	Rs. 11.74 Cr.
Rate of Return	17%
Break Even Point	61%

ALUMINIUM EXTRUSION

Aluminium extruded products are mainly tubes, pipes and blanks. These are manufactured in various forms and can be broadly classified in (a) rods & (b) sections. Sections include leath hollow and solid sections. In extrusion, the

cylindrical rod called billet, is squeezed hydraulically into any shape by forcing the hot billet through the die orifice.

Cost Estimation

Plant Capacity	9 MT./Day
Land & Building (5 Acres)	Rs. 5.85 Cr.
Plant & Machinery	Rs. 7.74 Cr.
W.C. for 2 Months	Rs. 7.48 Cr.
Total Capital Investment	Rs. 22.60 Cr.
Rate of Return	24%
Break Even Point	62%

I.V. FLUID (FFS OR BFS TECHNOLOGY)

Intra venous fluids in general are used as I.V drips for patients in nursing homes and hospitals suffering from acute dehydration or considerable debilitating conditions. These I.V fluids replenish the body fluids. Though a number of I.V fluids are there, generally three types of I.V fluids are used in hospitals as I.V drips. When saline is injected intravenously.

Cost Estimation

Plant Capacity	12000 Btl./Day
Land & Building (9000 sq.mt.)	Rs. 3.58 Cr.
Plant & Machinery	Rs. 5.43 Cr.
W.C. for 2 Months	Rs. 2.03 Cr.
Total Capital Investment	Rs. 11.60 Cr.
Rate of Return	22%
Break Even Point	66%

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

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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%

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Top Industries to Start

CHANACHUR, BHUJIA, GANTHIA (AUTOMATIC PLANT)

Dal Moth, Chanachur & Bhujia are the important names enhancing the flavour & taste as processed foods. These are food products having no historical background & becomes in market and in social & cultural synonym as the society became more advanced. Initially in long-long ago, people did not heard the name of Dal moth, chur or Bhujia like food products. But now a days it is well known not in India but world wide. These are mainly consumed during breakfast period & are very much during social & cultural periods. These are used as tasty & flavored food as well as in medicinal way, however, a little it may be, according to ayurveda) because of their carminative stimulative digestive properties. India produces almost all these types of salty processed food products of grains all these types of salty processed food products of grains like Grams, Pulses etc.

Cost Estimation

Plant Capacity	1 Ton./Day
Land & Building (Area 600 sq.mt.)	Rs. 82 Lacs
Plant & Machinery	Rs. 43 Lacs
W.C. for 2 Months	Rs. 44 Lacs
Total Capital Investment	Rs. 1.79 Cr.
Rate of Return	51%
Break Even Point	42%

MANGANESE ORE JIGGING PLANT

Manganese is one of the most important strategic minerals, being the one which the greatest tonnages are required, and also the one in which the United States has had a limited production. Manganese is an absolute necessity in the steel industry, as this industry uses about 14 pounds of manganese in every ton of steel produced. Annual statistics show that over 90 percent of the annual amount of manganese consumed in the United States goes into the production of steel. From this it can therefore be seen that the stability and accessibility of a steady supply of manganese ore is a controlling factor in the maintenance of the steel industry. The remaining 10 percent of the manganese consumed yearly in the United States is used in the manufacture of dry batteries, chemicals, glass, tile, and brick. One of the outstanding characteristics of the utilization of manganese in steel making is that in the process of being used, most of the metal is dissipated into the slag in a form not readily susceptible to subsequent recovery as a secondary metal. In fact, the amounts that are returned to use in this way are so small as to be practically negligible, and the full requirements for each year.

Cost Estimation

Plant Capacity	100 MT./Day
Land & Building (20,000 sq.mt.)	Rs. 1.04 Cr.
Plant & Machinery	Rs. 1.46 Cr.
W.C. for 2 Months	Rs. 1.88 Cr.
Total Capital Investment	Rs. 4.46 Cr.
Rate of Return	28%
Break Even Point	59%

SODA ASH PLANT (FROM SOLUTION BRINE)

Sodium carbonate is a common inorganic industrial chemical, also known as soda ash (Na₂CO₃). It is widely used in the manufacture of glass, chemicals, such as sodium silicates and sodium phosphates, the pulp and paper industries, the manufacture of detergents and for the treatment of water. Soda ash manufacture by Solvay technology is a very complex process. The natural sodium chloride solution (brine) is extracted and purified (removal of solid impurities by filtration and removal of calcium and magnesium ions by precipitation). The discovery of the chemistry of the ammonia-soda process can be traced back to the early 1800s. A few British and French plants operated in 1840-1860, but without success. The ammonia-soda process is usually called the Solvay process because in 1865 Ernest Solvay started the first really successful plant at couillet in Belgium. In 1874, the first successful ammonia-soda plant was erected in England. The ammonia-soda process is the dominant technology used throughout the world, hence this process is selected for production of soda ash.

Cost Estimation

Plant Capacity	1666.67 MT./Day
Land & Building (Area 60 Acres)	US\$ 1.67 Cr.
Plant & Machinery	US\$ 57.63 Lacs
W.C. for 1 Months	US\$ 8.58 Cr.
Total Capital Investment	US\$ 10.95 Cr.
Rate of Return	48%
Break Even Point	32%

TECHNICAL TEXTILES

Technical textiles are textile material and products manufactured primarily for their performance and functional properties rather than aesthetic or decorative purpose. Aesthetic properties are not much important for the Technical Textiles. The performance and functional properties are in sense with the agri to aerospace application. Based on the end uses, fibre selection to the method of processing are the keys to new product development in the textile arena. Over all growth rates of Technical Textiles in the world are about 4.0% per annum but the apparel and home textiles are at the rate of 1.0%.

Cost Estimation

(All Fig. in Thousand Rupees)

Land & Building (50,000 sq.mt.)	Rs. 5.49 Lacs
Plant & Machinery	Rs. 12.92 Lacs
W.C. for 1 Months	Rs. 2.85 Lacs
Total Capital Investment	Rs. 21.44 Lacs
Rate of Return	15%
Break Even Point	68%

M.S. BILLET CASTING FROM SCRAP AND SPONGE IRON USING INDUCTION FURNACE

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. The products of steel plants are

in the form of Ingots, Billets, Sheets etc. These Induction furnace based steel casting units are suitable for small scale industries and medium scale industries and yet have the capability to complete in the internal as well as international market at all counts. In mini Billets are the basic products of steel from which different types of steel products are made such as sheets, Angles, Channels, Rods, etc. Mild steel Billets are the basic raw material for manufacturing various types of re-rolled products. Mild steel billets are used for mechanical engineering works such as manufacturing machines and their parts. Steel billets are used for production of plate, sheets, strips, rod etc. by hot Rolling and cold Rolling process. It is the commercial forms of steels mill products which are directly used in the Engineering Industries. However, is the steel billets is the first form of steel for producing other shapes by rolling, forging or extrusion process.

Cost Estimation

Plant Capacity	50 MT./Day
Land & Building (1500 sq.mt.)	US\$ 3.82 Lacs
Plant & Machinery	US\$ 1.18 Lacs
W.C. for 3 Months	US\$ 20.56 Lacs
Total Capital Investment	US\$ 25.92 Lacs
Rate of Return	27%
Break Even Point	46%

RUBBER PLANTATION

Rubber is traditionally grown in India in the hinterlands of the South West Coast comprising of the state of Kerala and adjoining Kanyakumari District of Tamilnadu. This tract is, however, now reaching a level of saturation for rubber cultivation and the scope of further expansion of the crop is very much limited. Considering this fact, the expansion of rubber cultivation, which is of prime importance for setting up rubber production, has to take place mainly in non-traditional areas. Non-traditional areas so far identified as almost fully or marginally suitable for rubber cultivation are Arunachal Pradesh, Assam, Manipur, lower reaches of hills of Meghalaya, Mizoram, Nagaland and Tripura excluding the other state of India. Although the North Eastern Region lies far outside the traditional rubber growing zone, the agro-climatic conditions obtained here are unique in as much as near tropical features are experienced in most parts owing to low elevations, exposure to monsoons and other moderating influences. Public Sector Corporations set up later joined rubber planting endeavours on extensive scales. Thus while in Assam and Tripura, Public Sector Corporations are leading in the rubber plantation sector, in Meghalaya, Manipur, Mizoram and Arunachal Pradesh the role has played by the State Forest and Soil Conservation Departments.

Cost Estimation

Land & Building (1000 Acres)	Rs. 31.22 Cr.
Plant & Machinery	Rs. 12 Lacs
W.C. for 3 Months	Rs. 30 Lacs
Total Capital Investment	Rs. 31.71 Cr.
Rate of Return	7%
Break Even Point	70%

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EACH DETAILED PROJECT REPORT CONTAINS:

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

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

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

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

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

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

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

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

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 on following lucrative products which are most viable and profitable and having bright future scope

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

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

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



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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 * 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, KERVY STONE, PAYER RCC PIPE, MANOHOLE COVER,ENTERLOCKING ETC. MANUFACTURING PLANT * MEDICAL COLLEGE (100 STUDENT INTAKE CAP. MEDICAL COLLEGE WITH 500 BED HOSPITAL) * ESTABLISHMENT OF A PRIVATE UNIVERSITY * DIGITAL INKS * GALVANIZING PROCESS PLANT FOR ELECTRICAL POLES * MAIZE PROCESSING PLANT * STARCHES / MODIFIED STARCHES/ LIQUID GLUCOSE / DEXTROSE MONOHYDRATE /GLUCOSE SYRUPS / CORN SYRUP SOLIDS / HIGH MALTOSE CORN SYRUPS / MALTO DEXTRINE POWDER / CORN GLUTEN MEAL (60%) MAIZE OIL / SORBITOL. * BABY CARE PRODUCTS * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * BOTTLING OF WHISKY * UPVC DOORS & WINDOWS PROFILES * EPDM RUBBER PROFILES * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * FAST FOOD RESTAURANT WITH CENTRALISED KITCHEN 	<ul style="list-style-type: none"> * READY MADE GARMENT (T-SHIRT/POLO GOLFER/ WOVEN SHIRTING & SUITING FOR UNIFORMS/SWEATERS) MANUFACTURING * BIO-DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA * FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN * GUAR SPLIT POWDER AND OTHER BY PRODUCTS * SOLVENT EXTRACTION PLANT (COTTON SEED) * RASGULLA MANUFACTURING AND CANNING * CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMNT * MAIZE & BY PRODUCTS PROCESSING -STARCH MODIFIED STARCHES/LIQUID GLUCOSE/DEXTROSE MONOHYDRATE/GLUCOSE SYRUPS/CORN SYRUP SOLIDS/HIGH MALTOSE CORN SYRPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQVID * INTEGRATED SCRAP YARD * POTATO STARCH * MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKA, GIN) FROM RECTIFIED SPIRIT/ENA * COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING MILK/DAY CAP-50,000 LTR/DAY * WHEAT FLOUR MILL * CHAKKI FLOUR MILL * I.V. FLUID (FFSTECHNOLOGY) * LIQUID GLUCOSE FROM POTATOES * SORBITOL FROM MAIZE STARCH * WALNUT PROCESSINGPLANT * SOLVENT EXTRACTION AND OIL REFINERY CUM PACKING OF RICE BRAN OIL * COTTON SEED OIL SOLVENT EXTRACTION PLANT * MARINE TRAINING INSTITUTE & PLACEMENT SERVICE PROVIDING AGENCY * I.V.FLUID (FFS TECHNOLOGY) * CERAMIC FIBERS, CERAMIC 	<ul style="list-style-type: none"> FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * COLD SUPPLY CHAIN * LAMI TUBE MANUFACTURING * EYE DROP 3 PIECES (PLASTIC VIALS) * PET BOTTLES (CAMBER/ CLEAR IN COLOUR) CAP: 15ML,60ML 100ML,135ML, 200ML & 500ML * BENZYL ALKONIUM CHLORIDE (BKC) * NATURAL SUGAR WAX * MARGARINE BUTTERFROM VEGETABLE OIL * GREEN HOUSE FOR CROP PRODUCTION * ORGANIC DAIRY FARMING * E-WASTE * BIO-DIESEL FROM ALGAE * VANADIUM PENT OXIDE GRAPHITE MINING AND BENEFICIATION PLANT * VITAMIN WATER * PET PREFORM CUM PET BOTTLES * ORGANIC DAIRY FARMING AND PRODUCING WHOLE MILK POWDER (WMP) * HDPE BOTTLES * CAUSTIC SODA FROM SODIUM CHLORIDE * COAL TAR PITCH * MOSQUITO REPELLANT * WRIST BAND * CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID * PAPAINE FROM PAPAYA * PROCESSED CHEESE * MONOCHLORO BENZENE * EUGENOL FROM CINNAMON OIL * SULPHUR 80% WDG * CERAMIC FIBERS, CERAMIC FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * SCREEN PRINTING * DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE & HAIFA PROCESS * PVC FLEXIBLE PIPE * FLEX BANNER USED IN DIGITAL PRINTING * PIGMENTS BINDERS FOR TEXTILE PRINTING * POULTRY & HATCHERY FARM * ALOEVERA JUICE AND GEL * LIME PUTTY * AUTOMOBILE WORKSHOP/ GARAGE * EGG TRAY FROM PULP * CARDANOL FROM C.N.S.L. * OXYGEN GAS 	<ul style="list-style-type: none"> * POLYALUMINIUM CHLORIDE * NAMKEEN INDUSTRY (BHUIJA, CHANACHUR ETC.) * POLYOL USED FOR POLYURETHANES * POLYSTYRENE POLY PROPYLENE OXIDE * DIETHYL PHTHALATE * UREA FORMALDEHYDE AND MELAMINE * FORMALDEHYDE MOULDING POWDER * INSTANT COFFEE * ANNATTO SEED COLOUR EXTRACTION * FRUITS AND VEGETABLES DRYING BY (FREEZE DRYING METHOD) * BIO GAS PRODUCTION AND BOTTLING PLANT * JAM, JELLIES, FRUIT JUICE AND ALLIED PRODUCTS * MATERNITY NURSING HOME * CANNING & PRESERVATION OF VEGETABLES * CURCUMIN & TURMERIC OIL FROM TURMERIC * DETERGENT WASHING POWDER (ARIEL TYPE) * GRANITE SLAB AND TILES * TEA PACKAGING * PAN MASALA & GUTKHA * PRESTRESSED CONCRETE ELECTRIC POLES * LEATHER SHOES * ROTOGRAVURE PRINTING (FOR FLEXIBLE PACKAGING) * AUTO FLEAVED AERATED CONCRETE BLOCKS * OXYGEN AND NITROGEN GAS PLANT * MANGANESE ORE 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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<ul style="list-style-type: none"> * MILK & PACKAGING IN POUCHES * CUTTING OIL LIQUID GOLD (IN PASTE FORM) * P.V.C. LEATHER CLOTH (REXINE) * COAL TAR DISTILLATION * ALUMINIUM LABEL PRINTING * FOLDING CARTNS/MONO CARTONS * SURGICAL DISPOSABLE GLOVES (DIPPED RUBBER GOODS) * AGRICULTURAL CHEMICAL (PLANT GROWTH PROMOTER AND PLANT GROWTH REGULATOR) * MENTHOL BOLD CRYSTALS FROM MENTHOL FLAKES * ORGANIC FARMING * CORRUGATED POLYCARBONATE SHEET * COLD STORAGE * FLAT PVC LAMINATED * SAFTY GLASS/TOUGHENED GLASS * PLASTIC GRANULES FROM WASTE * DRY WALL PUTTY (WHITE CEMENT BASED) * CHARCOAL BRIQUETTE * OXALIC ACID FROM MOLASSES * POTATO GRANULES * SANITARY NAPKINS & BABY DIAPERS * CORRUGATED BOXES * PLASTER OF PARIS * RUBBER ROLLER FOR PRINTING MACHINE * LACTIC ACID * EMERY PAPER (SAND PAPER) * RUBBER RECLAIM SHEET FROM USED BUTYL TYRE AND TUBE * MANGO PULP * PARTICLE BOARD FROM BAGASSE AND RICE HUSK * TOILET PAPER & NAPKINS * TENDER COCONUT WATER * CALCIUM CARBONATE * LIME CALCINATION PLANT * INJECTION MOULDED PLASTIC COMPONENTS * HYDRATED LIME * BLACK PEPPER * MULTIAXIAL GLASS FABRIC * LIQUID TOILET CLEANER (HARPIC TYPE) * LIME & PRECIPITATED * CALCIUM CARBONATE * LIQUID GLUCOSE FROM BROKEN RICE 	<ul style="list-style-type: none"> * MEDICAL DISPOSABLE PLASTIC SYRINGES * METAL POLISHING BAR * SANITARY NAPKINS & BABY DIAPERS * PERFUMES/ATTAR * GEMS AND JEWELLERY * MULTIAXIAL GLASS FABRIC * ACTIVE ZINC OXIDE * COPPER PHTHALOCYANINE * TURMERIC OIL EXTRACTION FROM DRY TURMERIC * CNSL BASED RESIN IN LIQUID & POWDER FORM * BOPP FILM * BETA IONONE * BIO-FERTILIZER * ZINC & COPPER SULPHATE * PAPER BASED PHENOLIC SHEET (FOR ELECTRICAL APPLIANCE) * THINNERS (WHITE SPIRIT BASED) * SINGLE SUPER PHOSPHATE & SULPHURIC ACID * MONO CALCIUM PHOSPHATE & DI-CALCIUM PHOSPHATE * FLEXIBLE P.U. FOAM * ASPIRIN * SORBITOL FROM MAIZE STARCH * SPICE OIL & OLEORESIN * ANTI-FOAMING AGENT (SILICONE BASED) FOR DISTILLERY, SUGAR, PAPER PLANT ETC. * LAUNDRY & DRY CLEANER * BRICKS FROM STONE DUST * CARBOXY METHYL STARCH * TITANIUM DIOXIDE * UNDECYENIC ACID * PSA BASED NITROGEN GENERATOR * SYNTHETIC IRON OXIDE * PVC INSULATION TAPE * TAMARIND KERNEL POWDER * ORGANIC CHEMICAL & SOLVENTS * PLASTICIZERS * ICE PACK (SOLUTIONS TYPE, VIOLET-SEMI SOLID POLYMER TYPE) * GUM FROM TAMARIND * PEARL SUGAR CANDY (MISHRI) * GOAT & SHEEP FARMING * GYPSUM PLASTIC BOARD (AUTOMATIC PLANT) * NON-WOVEN INDUSTRY (CARRY BAGS, SURGICAL GOWN, FACE MASK, ROUND CAPS, SHOE COVER, GLOVE) * COTTON SPINNING, SIZING, 	<ul style="list-style-type: none"> * YARN, DYEING & WEAVING * CALCIUM CHLORIDE * AMINES & ALLIED PRODUCT * SPINNING COTTON * SILICONE FROM RICE HUSK * ADHESIVE (FEVICOL TYPE) * CAUSTIC SODA FROM ELECTROLYSIS * CAMPHOR TABLETS * CERAMIC GLAZED WALL AND FLOOR TILES * ZINC SULPHATE MONO * ETHANOL (BIO FUEL) FROM RICE STRAW * GYPSUM MOULDING AND GYPSUM BOARD * SMOKELESS COAL * ACID (SILICA) AND BASIC RAMMING MASS * UNSATURATED POLYESTER RESINS * DAIRY (BUFFALO) FARMING * SILICONE FROM RICE HUSK * N-ACETYL THIOZOLIDINE-4-CARBOXYLIC ACID (NATCA) * PE BASED CARBON BLACK COMPOUND * ONION DEHYDRATION * PVC PIPES & FITTING * GLASS REINFORCED * GYPSUM MOULDINGS * ABSORBENT COTTON & SURGICAL BANDAGES * CALCIUM STEARATE BY FUSION PROCESS * MANGO POWDER & OTHER FREEZE DRIED PRODUCTS * MENTHOL OIL FROM LEAVES AND MENTHOL * CRYSTALS (PEPPERMINT) MANUFACTURE OF CELLULOSE ACETATE * ANTIFOAMING / DEFOAMING AGENT * ALOEVERA CULTIVATION & PROCESSING * SYNTHETIC MAGNESIUM SILICATES * EPHEDRINE * HYDROCHLORIDE * ACTIVATED BLEACHNG EARTH * TECHNICAL TEXTILES * FORMALIN FROM METHANOL * CATIONIC SOFTNER (STEARIC ACID BASED) * PRECIPITATED SILICA * PU BASED FOOT WEARS * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE) * HDPE MONO FILAMEN NET * POTATO & ONION FLAKES 	<ul style="list-style-type: none"> * DUSTLESS CHALK (SCHOOL CHALK) * TOMATO POWDER * BIODEGRADABLE / COMPOSTABLE PLASTICS * ACRYLIC CO POLYMER EMULSION * ESTER GUM (FOOD GRADE) * PROTEIN BASED FOAMING AGENT * LECITHIN (SOYA BASED) * SOYA OIL AND CATTLE FEED FROM SOYA BEAN * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLO) BRICKS * CELL CAST ACRYLIC SHEET * ACRYLIC BATH TUB AND SHOWER TRAY * THERMOCOLE BASED DISPOSABLE PLATES * SODIUM SILICATE FROM RICE HUSK * ETHYL METHACRYLATE * SODIUM LAURYL ETHER SULPHATE * LATEX GLOVES, CONDOMS & CATHETER * CALCIUM NITRATE * GRAIN BASED ALCOHOL DISTILLERY * BULK DRUGS * MARBLE QUARRYING * CULTIVATION OF CAPSICUM IN GREEN HOUSE * SULPHUR 90% WDG * EGG POWDER * WOOD PLASTIC * COMPOSITE BOARD LINE * SODIUM LAURYL SULPHATE AND SODIUM LAURYL ETHER SULPHATE * FISH PROCESSING * BABY CEREAL FOOD & MILK POWDERS (BABY FOOD) * GUR (JAGGERY) * DAIRY PRODUCTS * CHLORINATED PARAFFIN WAX (CPW) * HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST) * HANDWASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING
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Hi-Tech Projects, Mar'15, www.eiribooksandprojectreports.com # 14

<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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