### JUST PREPARED NEW PROJECTS FO

Solder is a fusible metal alloy used to join together metal work pieces and having a melting point below that of the work piece. Soft solder is typically thought of when solder or soldering is mentioned, with a typical melting range of 90 to 450 °C (190 to 840 °F). It is commonly used in electronics, plumbing, and assembly of sheet metal parts. Manual soldering uses a soldering iron or soldering gun. Alloys that melt between 180 and 190 °C (360 and 370 °F) are the most commonly used Soldering performed using alloys with a melting point above 450 °C (840 °F) is called 'hard soldering', 'silver soldering', or brazing. For certain proportions an alloy becomes eutectic and melts at a single temperature; non-eutection alloys have markedly different solidus and liquids temperatures, and within that range they exist as a paste of solid particles in a melt of the lower-melting phase. In electrical work, if the joint is disturbed in the pasty state before it has solidified totally, a poor electrical connection may result; use of eutectic solder reduces this problem. The pasty state of a noneutectic solder can be exploited in plumbing as it allows molding of the solder during cooling e.g. for ensuring watertight joint of pipes resulting in a so-called 'wiped joint'.

Plant Capacity	300.00 Kg./day
Land & Building (2000 Sq.Mt)	Rs.3.35 Cr
Plant & Machinery	Rs 1.41 Cr
W.C. for 2 Months	Rs.54.78 Lacs
Total Capital Investment	Rs.5.53 Cr
Rate of Return	20.%
Break Even Point	57%
l	

#### **RAW CASHEW NUT KERNEL** PROCESSING (STEAM BOILER **ROASTING) MODERN MACHINERY OUTPUT CAPACITY:320 KGS AND INPUT CAPACITY: 1280 KGS PER DAY** (WITHOUT THE OPTION OF **CNSL EXTRACTION)** [CODE NO.1833]

Cashew (Anacardium occidentale L.) a native of Eastern Brazil introduced to India just as other commercial crops like Rubber, Coffee, Tea etc. by the Portuguese nearly five centuries back. The first introduction of cashew in India was made in Goa from where it spread to other parts of the country. In the beginning it was mainly considered as a crop for afforestation and soil binding to check erosions. The nuts, apple and other by products of this crop are of commercial importance. Though its commercial exploitation began from the early 60's, marginal lands and denuded forests were the areas set apart for the plantation development. Due to the absence of high yielding varieties and multiplication techniques, indiscript seeds and seedlings were used for planting purposes. Because of its adaptive ability in wide range of agro climatic conditions it has become a crop of high economy and attained the status of an

SOLDER WIRE [CODE NO. 1831] export oriented commodity bringing considerable foreign exchange to the country. **COST ESTIMATION** 

Plant Capacity	320.00 KGS/day
Land & Building (3000 Sq.Ft)	Rs.55.00 Lacs
Plant & Machinery	Rs 40.55 Lacs
W.C. for 2 Months	Rs. 88.00 Lacs
Total Capital Investment	Rs. 1.88 Cr
Rate of Return	23.%
Break Even Point	62%

#### **AYURVEDIC PANCHKARMA RESORT & HOSPITAL 40 BEDED [CODE NO. 1835]**

PanchaKarma is the cornerstone to Ayurvedic management of disease. Pancha Karma is the process which gets to the root cause of the problem and corrects the essential balance of Tridosha' in body. Pancha Karma is not only good for alleviating disease but is also a useful tool in maintaining excellent health. Ayurveda advises undergoing Pancha Karma at the seasonal changes to clean the body, improve the digestion and to improve the metabolic processes

#### **COST ESTIMATION**

Land & Building (12,000 Sq.Mtr)	Rs 10.87 Cr
Plant & Machinery	Rs 5.00 Cr
W.C. for 3 Months	Rs.1.21 Cr
Total Capital Investment	Rs.17.41Cr
Rate of Return	31.%
Break Even Point	49%
**********	******

#### **DRY SNACKS [CODE NO.1836]**

Dry Snacks or Namkeen products are in demand from over many years in India and are being exporting to many countries. Dal Moth, Chanachur & Bhujia are the important names nhancing 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.

	Plant Capacity	20.00 MT./day
	Land & Building (2,000 Sq.Mtr)	Rs 3.60 Cr
	Plant & Machinery	Rs 1.75 Cr
	W.C. for 1 Month	Rs. 4.69 Cr
	Total Capital Investment	Rs.10.18 Cr
9	Rate of Return	46.%
3	Break Even Point	36%

#### **RECTIFIED SPIRIT AND** ETHANOL FROM MOLASSES [CODE NO. 1837]

Commonly called alcohol has been described as one of the most exotic oxygen containing organic chemicals known because of its unique properties as solvent, beverage, combustible liquid, germicide and as building block or chemical intermediate for a host of organic chemicals. As a beverage it has been produced and utilized unknowingly as early as 4000 years ago by Pharaohs in gypt. In India ethyl alcohol has been conventionally and economically produced by fermentation of a byproduct of sugar industry i.e. molasses Although ethyl alcohol can also be produced

by fermentation such as sugar, cassava (tapioca), rice, wheat, barley and other grains the economics led to its production from molasses, because of its easy availability at a low price. A flourishing distillery industry grew for production of both potable and industrial alcohol from molasses.

#### **COST ESTIMATION**

Plant Capacity	40.00 KL/day
Land & Building (12000 Sq.Mt)	Rs.7.50 Cr
Plant & Machinery	Rs 16.00 Cr
W.C. for 3 Months	Rs. 8.96 Cr
Total Capital Investment	Rs.33.96 Cr
Rate of Return	26.%
Break Even Point	55%

#### **FINISHED LEATHER PLANT** [CODE NO.1838]

Leather is a material created through the anning of hides and skins of animals, primarily cattlehide. The tanning process converts the outrescible skin into a durable, long-lasting and versatile natural material for various uses.Leather is an important material with many uses. Together with wood, leather formed the basis of much ancienttechnology. The leather industry and the fur industry are distinct industries that are differentiated by the importance oftheir raw materials. In the leather industry the raw materials are by-products of the meat industry, with the meat havinghigher value than the skin. The fur industry uses raw materials that are higher in value than the mea and hence the meat is classified as a byproduct. Taxidermy also makes use of the skir of animals, but generally the head and part of the back are used. Hides and skins are also used in the manufacture of glue and gelatin.

#### COST ESTIMATION

OOO! LOTHINATION			
3000.00 SQ.MTR/day			
anal) Rs 17.00 Cr			
Rs 4.70 Cr			
Rs.6.33 Cr			
t Rs.28.53 Cr			
26.%			
48%			

#### UREA FORMALDEHYDE **POWDER & MELAMINE** FORMALDEHYDE POWDER [CODE NO1839]

The reaction between urea and formaldehyde has proved to be extremely complicated. It took about 40 years to reach the present stale knowledge of this reaction, and there are still many problems. Urea has a four replaceable hydrogen atoms, and thus a functionality of four so there are various possibilities for reaction with formaldehyde. It therefore has the capacity of building up a three dimensional space lattice The molecular proportion of urea to formaldehyde is very important, as the relative amount of the reactants determine, to a large extent, the properties of the product. The reaction temperature is another decisive

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

# PLASTIC EXTRUSION AND

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

factor, ambient, medium or high temperature produces resins with different properties. The same urea-formaldehyde condensation product may have different applications. which demand higher or lower viscosity. It is therefore essential to define the resins as to their extent of condensation. These possibilities of variations largely amount for the remarkable versality of UF resins.

#### **COST ESTIMATION**

Plant Capacity 10.00 TONS./day Land & Building (10000 Sq.Mtr) Rs 13.25 Cr Plant & Machinery Rs 1.42 Cr W.C. for 3 Months Rs. 3.60 Cr Total Capital Investment Rs 18.55 Cr Rate of Return Break Even Point 33%

#### **ALCOHOL BASED DEODORANT ANUFACTURING** [CODE NO.1840]

Deodorant perfume spray is a innovated concept and is used =o remove bad odour from the body and is mild in perfumery nodes and sometimes it called aerosol deodorant body spray. The product is easily spreadable over the surrounding and volatile in nature. Deodorant perfume spray is now very familiar and appreciable by people at large due to easy accessibility and bactericide in nature.

#### **COST ESTIMATION**

1500.00 CANS/day Plant Capacity Land & Building (404 Sq.Mtr) Rs 38.89 Lac Plant & Machinery Rs 3.25 Lacs Rs. 16.09 Lacs W.C. for 1 Month Total Capital Investment Rs 64.24 Lacs Rate of Return 67.% Break Even Point 42%

#### **INSTANT COFFEE** [CODE NO. 1841]

Instant coffee also known as soluble coffee is the dried water extract of roasted ground coffee. The product consists of brown colored. free flowing particles of uniform size. Most commercial products contain 100% pure 'Coffee soluble solids". Instant coffee was included in the army rations during the Civil War and has been available in various forms, for a hundred years. However, it was not until after world war II that instant coffee became a popular consumer item. Its product quality is to better method, of manufacture as well as trend towards the use of convenience foods. Sale of soluble coffee have leveled off since 1961 but prior to 1961 there was a five fold growth over ten years. However, coffee has been a widely accepted societies beverage for many. The habit of drinking coffee spread rapidly across Europe, especially coffee become known in Vienna. Later its culture spread thoroughly in several countries in South America Central America. West Indies, Ceylon and Western Africa

#### **COST ESTIMATION**

Plant Capacity 7000.00 Kgs/day Land & Building (3000 Sq.Mtr) Rs 3.13 Cr Plant & Machinery Rs 3.51 Cr

W.C. for 2 Months Rs. 12.59 C Total Capital Investment Rs 19.42 Cr Rate of Return 52 % Break Even Point 35%

#### **cPVC PIPES AND FITTINGS** [CODE NO. 1842]

Today, more PVC Pipes are being used than any other pipe product. PVC is a thermosetting plastic. In other words, it can only be softened and molded into form once. If it is softened and remolded a second time it will lose some of it's favorable characteristics. Recently, 'Fuseable PVC' has come to market to compete with the fuseable properties of HDPE Pipe. PVC is very corrosion resistant. It is not a conductor and will not have an electrochemical reaction with acids and bases that it comes in contact with. For this reason PVC is sometimes used to coat other materials for protection. PVC also has a high chemical resistance. While it will react with some chemicals, there are a large number of chemicals it will not react with, making it an excellent product for industrial applications PVC is not without it's faults. Studies have shown that UV radiation from sunlight not only discolors the pipe, but also reduces it's impact strength. The deeper you delve into pipe sizing and nomenclature, the more confused you get.

#### COST ESTIMATION

OOO! EUTIMATION			
Plant Capacity	3.00 MT/day		
Land & Building (1 Acre)	Rs 1.05 Cr		
Plant & Machinery	Rs 90.00 Lac		
W.C. for 1 Month	Rs. 56.51 Lacs		
Total Capital Investment	Rs 2.80 Cr		
Rate of Return	73.%		
Break Even Point	34%		

#### PP WOVEN SACKS (SSI UNIT) (NORMAL 50 KG & JUMBO **SIZE) [CODE NO.1843]**

Woven polypropylene bags or simply woven PP bags are considered to be the toughest packaging bags, widely used to pack materials for grain, milling and sugar industry. Additionally, these bags also find wide application in fodder industry, chemicals and fertilizers industry besides cement industry and other applications like sand, metal parts and concrete etc. Salient Features : • Flexible and high strength, • Double side print, • Water & dust proof design, • Heat/Wave Cut & hemmed top, . Flat or anti-slip weaving, HDPE/PP oriented sacks are becoming popular throughout the world.

#### **COST ESTIMATION**

Plant Capacity 25000.00 BAGS/day Land & Building (1500 Sq.Mtr) Rs 47.00 Lacs Plant & Machinery Rs 36 00 Lacs W.C. for 1 Month Rs.01.01, Cr Total Capital Investment Rs 1.88 Cr Rate of Return 30% Break Even Point 54%

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

# Start Your Own Industry

#### LIQUID GLUCOSE FROM **POTATOES [EIRI-1530]**

Potato is widely consumed as food all over the world. It contains the starch as a maior carbohydrate. Surplus and cull potatoes are used as feed for live stock and also as raw material for the manufacture of starch, ethy alcohal and a few other industrial products like dextrose, liquid Glucose etc. The potato contains approximately 18-21% of carbohydrates. The major carbohydrate is starch. This starch is comprising 65-80% of the dry weight of the tuber, is calorifically the most important nutritional component. In the raw tuber, it is present as microscopic granules parenchyma tissue

#### **Cost Estimation**

Plant Capacity	25 MT./Day
Land & Building (Area 5 Acres)	Rs. 3.39 Cr.
Plant & Machinery	Rs. 8.05 Cr.
W.C. for 2 Months	Rs. 2.12 Cr.
Total Capital Investment	Rs. 14.18 Cr.
Rate of Return	18%
Break Even Point	69%

#### RIGID PVC FILM MANUFACTURE FOR PHARMACEUTICALS BLISTER PACKAGING [EIRI-1533]

Plastic films (PVC) have got wide uses including for garments and saree packaging. Polyvinyl chloride (P.V.C.) is one of if not the largest single volume plastics material in general use in the world. It is potentially one of the lowest cost materials. P.V.C. has achieved this market leadership because of its good physical properties, its compounding versatility for a wide variety of applications, its low cost, and processing case.

#### **Cost Estimation**

2 Ton/Day
Rs. 2.10 Cr.
Rs. 3.93 Cr.
Rs. 1.33 Cr.
Rs. 7.75 Cr.
30%
51%

#### PRESTRESSED CONCRETE POLES (PSC POLES) [EIRI-1534]

Wooden, steel and concrete poles were used for power distribution lines since 19th century The first poles used were wooden poles. When demand for poles increase and as the power lines under construction required longer poles suitable for resisting larger horizontal forces steel poles were introduced in substitution to wood. Though both materials are still in use through out the world, with wood primarily used for short length small forces country lines the general trend is to substitute both the materials with concrete and Use reinforced and prestressed concrete poles instead. Wooder have limited life and steel poles have a longer life compared to wooden poles requires continuous maintenance for protection agains

corrosion concrete and particularly prestresse concrete poles can be considered as having an unlimited life without maintenance cost for their corrosion protection.

#### Cost Estimation

€	Plant Capacity	117 Nos/Day
٧	Land & Building (16'000 sq.mt Plant & Machinery	.) US\$ 10.60 Lacs
1	Plant & Machinery	US\$ 10.89 Lacs
٠,	W.C. for 2 Months	US\$ 5.56 Lacs
2	Total Capital Investment	US\$ 27.56 Lacs
t	Total Capital Investment Rate of Return	36%
S	Break Even Point	60%

#### FROZEN POTATO PATTY [EIRI-1529]

in levcoplasts lining the interior cell walls of Frozen potato patty is an important snacks food having good demand and is being appreciated by masses. Freezing food preserves it from the 21. DEHYDRATION OF FRUITS time it is prepared to the time it is eaten. 

& VEG. BY IQF TECHNOLOGY Freezing food slows down decomposition by turning residual moisture into ice, inhibiting the growth of most bacterial species. In the food commodity industry, there are two processes mechanical and cryogenic (or flash freezing).

#### **Cost Estimation**

r	Plant Capacity	8 Ton/Da
	Land & Building (1500 sq.mt.)	Rs. 2.23 C
	Plant & Machinery	Rs. 8.35 C
	W.C. for 3 Months	Rs. 4.67 C
	Total Capital Investment	Rs. 16.06 C
	Rate of Return	249
	Break Even Point	599
	*********	*******

#### **HYDROXY PROPYL GUAR** (HPG) AND CARBOXY METHYL **HYDROXY PROPYL GUAR** [EIRI-1526]

The guar bean tetragonolobus, an annual legume, is the source of guar gum. It grows best under conditions with frequent rainfall, but tolerates arid conditions well. India grows 80% of world production of Guar gum but due to strong demand, it is being introduced into new areas. It is mainly grown in areas of India 48. RESIDENTIAL COMPLEX (TOWNSHIP)
(Raiasthan, Harvana, Guiarat and Punjah) 49. ROLLING MILL BY TMT TECHNOLOGY (Rajasthan, Haryana, Gujarat and Punjab) Pakistan, Sudan, and USA. India produces 6.0 7.5 lakh tons of guar annually. In India Rajasthan and Haryana states contribute 85% of the total production. In Rajasthan, the district Jaisalmer, Barmer, Nagaur, Hanumangarh Jhunihunu and Sikar. The districts in Harvana ndulged in the production of guar are hiwani Sirsa, and Rewari and the districts in Guiarat are Kutch, Banaskantha, Ahmedabad, Jodhpur city in Rajasthan is one of the India. Guar also 58. TYRES, TUBES & FLAP known as cluster bean (leguminous crop. Guar is being grown for seed, is an annual plant about 4 feet high, vertically Each pod is about 5-8 cm long and has seeds. The pods are used as a green vegetable or as a cattle feed beside extraction of guar gum.

#### Cost Estimation

Plant Capacity	30 MT./Day
Land & Building (4000 sq.mt.)	Rs. 5.70 Cr.
Plant & Machinery	Rs. 1.90 Cr.
W.C. for 3 Months	Rs. 30.47 Cr.
Total Capital Investment	Rs. 38.51 Cr.
Rate of Return	54%

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- 22. DISPOSABLE PLASTIC SYRINGES 23. E.R.W. STEEL PIPES & TUBES
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- 29. I M F L (WINE, BRANDY, WHISK) 30. KATHA & KUTCH
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  34. MULTIPURPOSE COLD STORAGE ETC.
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- 37. MEDICAL COLLEGE, HOSPITAL ETC.
  38. MILD STEEL SECTION MILL (ANGLES, CHANNELS, ROUND, SQUARES, ETC.)
- 39. MONOCHLORO ACETIC ACID
- 40. MONOCHLORO ACETIC ACID FROM ETHANOL AND CHLORINE
- MINERAL WATER CUM
- PET BOTTLE MANUFACTURING UNIT
- 42. PORTLAND CEMENT PLANT 43. POWER PLANT FROM BIO GAS
- 44. PRODUCTION OF BIO-OIL 45. PVC PIPE AND FITTING
- 46. PAPER PLANT 47. POWER PLANT (GAS BASED)

- 52. SPONGE IRON FROM IRON ORE
- 53. SOLAR POWER (ENERGY) PLANT 54. STEEL PLANT BASED ON INDUCTION **FURNACE**
- 55. STEEL PLANT (BILLETS) BASED ON INDUCTION FURNACE
- STEEL TRANSMISSION LINE TOWER & HOT ROLLING MILL
- 57. SODIUM TRIPOLY PHOSPHATE
- TUBULAR STEEL SWEDGE TYPE POLE
- 60. TMT STEEL BARS
- 61. UREA FERTILIZER PLANT 62. VODKA FROM POTATOES
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# **Start Your Own Industry**

#### TOMATO, GUAVA AND MANGO PULP [EIRI-1523]

Guava is a pear or round shaped fruit growing in the tropical region. Guava is one of the most common plants abundantly grown in all regions of India. The trees are usually narrow and trunked. There is almost no bark in these trees. The fruit is characterized by white interior. The inside of the fruit is highly fleshy with a number of hard seeds. Guava fruit is one of the richest sources of Vitamin C. There is also a good amount of pectin in this fruit. A good quality commercial pulp is obtained by passing the guava fruit extracts through 0.7mm sieve. India is the home of mangoes.

#### **Cost Estimation**

Plant Capacity	80 Ton/Day
Land & Building (Area 5 Acres)	Rs. 9.05 Cr.
Plant & Machinery	Rs. 10.41 Cr.
W.C. for 1 Months	Rs. 4.34 Cr.
Total Capital Investment	Rs. 24.39 Cr.
Rate of Return	42%
Break Even Point	43%
**********	******

#### PARTICLE BOARD FROM RICE **HUSK OR WOOD WASTE OR** SUGARCANE BAGASSE OR **MIXED OF ALL ABOVE** [EIRI-1521]

Development of particle and fibre board has been consequential to man's quest for optimum utilization of timber and wood wastes which earlier were used mainly as fuel. Initial development of particle board took place in Germany during the Second World War when its timber supplies were practically cut-off from the supplying countries. Particle board plants were set up in postwar West Germany to meet the demand for reconstruction. In the fifties particle board manufacturing plants were set up in Europe and USA. The industry has now developed throughout the world. The origin of fibre board can be traced back to the beginning of 20th century in England and USA. It received a fillip in 1934 as a Swedish engineer developed the defibrator process or thermo mechanical pulping process

#### Cost Estimation

Plant Capacity	4 MT./Day
Land & Building (4000 sq.mt.)	Rs. 5.41 Cr.
Plant & Machinery	Rs. 1.25 Cr.
W.C. for 2 Months	Rs. 51 Lacs
Total Capital Investment	Rs. 7.31 Cr.
Rate of Return	37%
Break Even Point	44%

#### LIQUID GLUCOSE FROM **BROKEN RICE [EIRI-1516]**

Starch is a group of polysacchrides, composed of glucopyranose units joined together by glucosidric linkages. It conforms to the molecular formula, (C6-H10O5)u, where n varies from a few hundred to over one million Starch is found as the reserve carbonhydrate

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in various parts of plants and is enzymatically different kinds of water and solvent based broken down to aluose to other erbohydrates according to the metabollic needs of the plants. Industrially, starch is broadly divided into two types viz, natural and modified. Natural starches, also designated as unmodified starches or simply starches, are obtained from grains such as and sorghum. from roots like potato, tapioca and arrow root, and from the pith of the stems of certain palms such a sago The characteristics of the natural starches are changed by chemical or enzymatic action and the products of these reactions are termed modified starches.

#### Cost Fetimation

Plant Capacity	40 MT./Day
Land & Building (16'000 sq.mt.)	Rs. 13.47 Cr.
Plant & Machinery	Rs. 4.60 Cr.
Total Capital Investment	Rs. 24.43 Cr.
Rate of Return	36%
Break Even Point	47%

### MINI FLOUR MILL

#### <u>(ATTA, MAIDA, SUJI) [EIRI-1511]</u>

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

#### Cost Fetimation

i cost Estimation	
Plant Capacity Land & Building (2000 sq.mt.)	40 MT/Day
Land & Building (2000 sq.mt.)	Rs. 2.55 Cr.
Plant & Machinery	Rs. 57 Cr.
Total Capital Investment	Rs. 5.39 Cr.
Rate of Return	41%
Break Even Point	42%
H	

#### **DRY WALL PUTTY (WHITE CEMENT BASED) [EIRI-1475]**

White cement based Wall Putty a plastering material to fill the holes and patches before paint primer or distemper. In general, fillers & stoppers are paste-like materials, highly pigmented, used to fill surface imperfections (fillers) and to make good gross surface defects prior to painting operations (stoppers). Caulking compounds, putties and same cements have a boiled drying oil, usually combine with resins that act as the binder putty is the thick mixture of finally powdered calcium carbonate (whiting) and acid refined linseed oil which imparts good wetting and grinding characteristics. White Cement Based Wall Putty is a specially formulated product based on white cement blended with special fillers and additives to be used as putty, filler & sealer, on concrete mortar walls and ceiling for both interiors & exteriors. It renders to the surface, smooth bright white coating suitable for over coating by

paints, of attractive colors, giving a durable and smooth finish on the walls

#### Cost Estimation

Plant Capacity	100 Ton./Day
Land & Building (1200 sq.mt.)	Rs. 1.20 Cr.
Plant & Machinery	Rs. 79 Cr.
W.C. for 1 Months	Rs. 4.25 Cr.
Total Capital Investment	Rs. 6.44 Cr.
Rate of Return	29%
Break Even Point	62%

#### **CELLULAR LIGHTWEIGHT CONCRETE BRICKS** (CLC BRICKS) [EIRI-1450]

Bricks remain one of the most important building materials in the country. Brick making is a traditional industry in India, generally confined to rural areas. In recent years, with expanding urbanization and increasing demand for construction materials, brick kilns have to grow to meet the demand. It has directly or indirectly caused a series of environmental and health problems. At a local level, environmental pollution from brick-making operations is injurious to human health, animals and plant life. CLC blocks are environment friendly. The energy consumed in the production of CLC blocks is only a fraction compared to the production of red bricks and emits no pollutants and creates no toxic products or by products. I is produced by initially making a slurry of Cement + Fly Ash + Water, which is further mixed with the addition of pre-formed stable foam in an ordinary concrete mixer.

#### Cost Estimation

	Plant Capacity 6	0 Cubic Mt./Day
	Land & Building (10,000 sq.mi	.) Rs. 10.11 Cr.
	Plant & Machinery	Rs. 85 Lacs
	W.C. for 2 Months	Rs. 66 Lacs
	Total Capital Investment	Rs. 12.21 Cr.
	Rate of Return	23%
	Break Even Point	52%
ı	*****************	******

#### **CONVERSION WASTE PLASTIC** WITH TYRE INTO ACTIVATED **CARBON AND INDUSTRIAL FUEL [EIRI-1444]**

The disposal of plastic waste and used tyre by land filling is becoming an increasingly serious problem from a environmental and economic stand point, a better solution is to reprocess tire into valuable products such as activated carbon other solid carbon form (e.g. carbon black) and liquid and gaseous fuel. A process design is proposed which involves pyrolysis of plastic waste and used tires, activation of the solid residue, partial combustion of liquid to produce carbon black and the use of high BTU gas for process heat.

#### **Cost Estimation**

Plant Capacity	1 Ton/Day
Land & Building (Area 600 sq.mt.)	Rs. 82 Lacs
Plant & Machinery	Rs. 40 Lacs
Total Capital Investment	Rs. 1.31 Cr.
Rate of Return	15%
Break Even Point	70%

# **Top Industries to Start**

#### RICE MILL [EIRI-1359]

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. The rice obtained from milling untreated rice is known as raw rice or white rice. Primary milling of rice is an important activity in food grains. Rice is used in almost all parts of India. Few decades ago, rice grains were processed at family level before cooking. 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 (Area 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%

#### DISPOSABLE PLASTIC SYRINGES (STERILISED) [EIRI-1138]

With the development of Intravenous and Intramuscular inspection use of syringes for effecting transfer of medicines to human body for desired quick results has because inevitable. With growing consciousness of sterilization and spreading of diseases uses of plastic disposable syringes have been developed and are being preferred. In fact syringes are instruments which are used for injecting liquid into body of human beings or of animals. It curiosity of a cylinder and a air tight pistons. These syringes are available in sizes varying from 2c.c. to 100c.c. Most popular and commonly used sizes are 2 c.c. other sizes are also frequently used but to a lesser extent.

#### Cost Estimation

00 Nos/Day
Rs. 1.92 Cr.
Rs. 1.87 Cr
Rs. 1.29 Cr
Rs. 5.25 Cr
61%
40%

#### DISPOSABLE PAPER CUPS, GLASS & PLATES [EIRI-0838]

Paper Items such as paper cups, saucers, Glass, paper plates is finding extensive usage these days for serving eatables in parties, functions and social gatherings. Paper plates are the most commonly used disposable crokery in India. Paper conists of sheet materials and are comprised of bonded small discrete fibers which are usually cellulosic in nature and are held together by secondary

bonds most probably the hydrogen bonds. Paper is made in a wide variety of types and grades to serve many functions. Writing and printing papers constitute approx 30% of the total production.

#### Cost Estimation

	500 KGS/Day
Land & Building (Area 450 sq.mt.	) Rs.3 Lacs
Plant & Machinery	Rs. 5 Lacs
W.C. for 3 Months	Rs. 21 Lacs
Total Capital Investment	Rs. 30 Cr.
Rate of Return	35%
Break Even Point	46%

#### DISPOSABLE PLASTIC CUPS, GLASS ETC. [EIRI-0563]

Today consumption of Disposable products breaking records. Disposable products are easy to handle, economical and can be disposed easily. With the changing lifestyle of Mankind, the use of disposable products is raising like anything. Plastic Disposable products are very popular because it can be carried easily, and very low in prices too. There is a huge variety available in Plastic Disposable products. Plastic Disposable products are like a gift for today's hectic lifestyle, they save your energy and money both. The products designed to disposed easily after use are called Disposable products & the products which are made with any kind of plastic and can be disposed easily after use are known as Disposable Plastic Products.

#### Cost Estimation

ı	Plant Capacity	30000 Nos./Day
	Land & Building (Area 350 sq.	.mt.) Rs. 20 Lacs
	Plant & Machinery	Rs. 12 Lacs
	W.C. for 1 Months	Rs. 1 Lacs
	Total Capital Investment	Rs. 34 Lacs
	Rate of Return	25%
	Break Even Point	62%

#### BIO -DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA [EIRI-1333]

Bio-diesel is forming a promising sustainable source of energy and is gaining world wide acceptance as a solution to problems of environmental degradation, energy insecurity and restrictive price structure. Therefore the production of Bio-diesel is becoming an increasingly important element in global energy policies. India, a fast growing economy is facing the challenge of meeting a rapid increase in its energy demand. Price of Detailed Project Report is Rs. 18,000/- Only.

#### Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (12,300 sq.mt.)	) Rs. 3.18 Cr.
Plant & Machinery	Rs. 4.55 Cr.
W.C. for 2 Months	Rs. 7.98 Cr.
Total Capital Investment	Rs. 15.88 Cr.
Rate of Return	74%
Break Even Point	25%

#### 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.

#### Cost Estimation

Plant Capacity	30 Nos./Day
Land & Building (Area 4000 sq.m.	t.) Rs. 30 Lacs
Plant & Machinery	Rs. 1.14 Cr.
Total Capital Investment	Rs. 2.22 Cr.
Rate of Return	40%
Break Even Point	47%

\*\*\*\*\*\*\*\*\*\*\*

# ALUMINIUM COMPOSITE PANELS (ACP) [EIRI-1489]

Aluminium Composite Panels (ACP) are mainly light-weight composite material consisting of two pre-finished aluminium cover sheets heatbonded (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, alkal 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.

#### **Cost Estimation**

Plant Capacity	6000 sq.mt./Day
Land & Building (10,000 sq.m	it.) Rs. 14.41 Cr.
Plant & Machinery	Rs. 3.94 Cr.
W.C. for 2 Months	Rs. 21.48 Cr.
Total Capital Investment	Rs. 40.54 Cr.
Rate of Return	27%

#### 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.

#### Cost Estimation

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

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### **Best Industries to Start and Grow**

#### FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR <u>MODIFIED RESINS)</u> [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. Ureaformaldehyde resins are the most prominent examples of the class of thermosetting resins usually referred to as amino resins. 2,3 Ureaformaldehyde resins comprise about 80% of the amino resins produced worldwide.

#### **Cost Estimation**

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

#### EPDM RUBBER PROFILES (WEATHER STRIPS, INDUSTRIAL MONO STRIPS ETC.) [EIRI-1492]

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 EFPM are 8,00,000 tons per year. EPDM is polyolefine categorized 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. This produces a saturated rubber, EPM, which has to be vulcanized with peroxide systems.

#### Cost Estimation

Plant Capacity	3 MT./Da
Land & Building (3000 sq.mt.)	Rs. 3.96 C
Plant & Machinery	Rs. 2 C
W.C. for 3 Months	Rs. 2.50 C
Total Capital Investment	Rs. 8.60 C
Rate of Return	379
Break Even Point	439

## GRANITE CUTTING AND POLISHING UNIT [EIRI-1493]

Granite Slab and Tiles are used in building for the purpose of wall paneling and for the decoration of walls.

#### Cost Estimation

	Plant Capacity	8000 sq.ft./Day
ı	Land & Building (14457.6	sq.mt.) Rs. 6.07 Cr
ı	Plant & Machinery	Rs. 15.01 Cr
ı	Total Capital Investment	Rs. 31.86 C
ı	********	******

#### HDPE, PVC, LLDPE PIPES/ TUBES & FITTING [EIRI-1497]

PVC is a thermosetting plastic. In other words, it can only be softened and molded into form once. If it is softened and remolded a second time it will lose some of it's favorable characteristics. PVC is very corrosion resistant. It is not a conductor and will not have an electrochemical reaction with acids and bases that it comes in contact with. For this reason, PVC is sometimes used to coat other materials for protection. PVC also has a high chemical resistance. While it will react with some chemicals, there are a large number of chemicals it will not react with, making it an excellent product for industrial applications. PVC is not without it's faults.

#### Cost Estimation

.	Cost Estillation	
5	Plant Capacity	5 MT./Day
	Land & Building (75,000 sq.ft.)	Rs. 6.17 Cr.
,	Land & Building (75,000 sq.ft.) Plant & Machinery	Rs. 1.38 Cr.
	W.C. for 1 Months	Rs. 95 Lacs
	Total Capital Investment	Rs. 8.67 Cr.
1	Rate of Return	25%
٠	Total Capital Investment Rate of Return Break Even Point	56%

#### PARTICLE BOARD FROM RICE HUSK [EIRI-1499]

The technology for manufacture of Rice Husk Particle Board, developed at the Indian Plywood Industries Research Institute, Bangalore, has emerged as one of the best solutions to this problem as it helps to maintain the ecobalance and preserves the eco-system. Patents have been filed in India and many other rice growing countries. This board has emerged as a versatile substitute for wood in a wide range of applications. Moreover, these boards can also be made decorative. The process has been licensed to several firms in India and a turnkey plant has been set up in Malaysia. The firm has also produced floor tile (out of rice husk), fire resistant doors, etc. having granite like finish. What is more, the licensee of the technology has helped to build up a large number of low cost houses.

#### **Cost Estimation**

Plant Capacity	2 Ton/Day
Land & Building (3000 sq.mt.)	Rs. 3.08 Cr.
Plant & Machinery	Rs. 28 Lacs
W.C. for 2 Months	Rs. 1.05 Cr.
Total Capital Investment	Rs. 4.50 Cr.
Rate of Return	35%
Break Even Point	66%
***********	******

#### WHEAT FLOUR MILL [EIRI-1501]

India is ranked as the world,s largest producer of a number of agri-products including milk and dairy products and pulses and the second largest producer of rice, wheat, sugar and cotton. The plant will have facility to produce, Maida, sooji, Atta and bran.

#### Cost Estimation

Plant Capacity	115 MT/Day
Land & Building (5000 sq.mt.)	Rs. 3.15 Cr.
Plant & Machinery	Rs. 1.72 Cr.
Total Capital Investment	Rs. 10.95 Cr.
Rate of Return	68%

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# Start Your Own Industr

#### **PLASTIC GRANULES FROM PLASTIC WASTE & PLASTIC** ROPE (SUTLI) [EIRI-1231]

Plastics today have a prominent place in the spectrum of materials frequently used by materials engineers and designers. They have earned this placed on the basis of performance at a price, plus the apparently unlimited ability of the plastics industry to develop new plastics or new grades of older plastics to meet specific needs of modern industry.

#### **Cost Estimation**

Plant Capacity 100 Kg/hr. Plastic Granules 100 Kg/hr. Plastic Rope (Sutli) Land & Building (Area 2000 sq.mt.) Rs. 99 Lacs Plant & Machinery Rs. 38 Lacs Total Capital Investment Rs. 1.81 Cr. Rate of Return 21% Break Even Point 67%

#### **IRON ORES PELLETIZATION** PLANT [EIRI-1170]

Iron Ore Pellets are used in blast furnaces for producing sponge iron & steels. Marked by high productly lower fuel consumption and improved furnace control, pellets are now preferred all over the world for primary steel making. An iron ore pelletization unit can submit an IEM to SIA of ministry of Steel Industry to set-up a plant of mfg. capacity = 18 lakh tonners pa. This project sould be 100% EOU/EOU or an ancillary to a sponge iron plant. This plant can be set-up near an iron ore concentration site or a sponge iron plant or near a sea port for respective benefits of transportation costs saving on transfer of raw materials and /or finished products in between the point of importance & the plant.

#### **Cost Estimation**

500 MT./Day Plant Capacity Land & Building (120000 sq.mt.)Rs. 102.76 Cr. Plant & Machinery Rs. 35.36 Cr. W.C. for 2 Months Rs. 19.70 Cr. Total Capital Investment Rs. 160.97 Cr Rate of Return 36% Break Even Point

#### M.S. BILLET CASTING WITH INDUCTION FURNACE FROM STEEL SCRAP & SPONGE **IRON [EIRI-1058]**

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. A variety Additional operations like cold Rolling, Machining, Heat Treatments and Fabrications are carried out on

**EIRI Account HDFC BANK** CA-05532020001279 RTGS/NEFT/IFSC Code: HDFC0001981) for use. 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 174 MT./Day Land & Building (2500 sq.mt.) Rs. 3.25 Cr. Plant & Machinery Rs. 1.38 Cr W.C. for 3 Months Rs. 41.91 Cr. Total Capital Investment Rs. 46.88 Cr Rate of Return 33% Break Even Point 44%

#### **BANANA CHIPS, BANANA PULP & BANANA POWDER** [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 Carbon tetrachloride, acetone xylene. 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 in temperature range of 13:C - 38:C with RH regime of 75-85%

#### **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%

#### **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 application. Fused silica is used for window. silica should apply to any foam of vitreous silica manufactured by fusion, however it has or less degree before used in other products been used by some to denote all vitreous silica not produced by quartz fusion and by other for only the translucent vitreous silica. Method for the manufacture of translucent fused silica by fusion of sand surrounding a graphite rod through which a current is passed and subsequent manipulation of the hot plastic material were patented around the turn of

final mill Products in order to make them suitable century. Not familiar with the Arabian Shield? Why would you be - the area has barely beer touched. All you need to know is this: the Saudis call this region the Cradle of Gold, and they want to share it with you.

#### **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%

#### 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 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 oper 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 Benga 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 available in a number of grade for different tomato products are prepared from tomato pulps, which is unflavoured, finely devided lenses prism and other application. Fused flesh and juice separated from skins and seeds. It is usually concentrated to a greater

#### **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%

# **Top Industries to Start**

#### 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.

#### **Cost Estimation**

 Land & Building (Area 500 sq.mt.)Rs. 87 Lacs

 Plant & Machinery
 Rs. 45 Lacs

 W.C. for 3 Months
 Rs. 2 Cr.

 Total Capital Investment
 Rs. 3.41 Cr.

 Rate of Return
 75%

 Break Even Point
 38%

#### 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.

#### Cost Estimation

Plant Capacity	1.50 Ton./Day
Land & Building (Area 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%
	************

# 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 lime 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 semifinished 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

OOST ESTITI	auon
Plant Capacity	350 MT./Da
Land & Building (50,000 s	q.mt.) Rs. 54.70 Ci
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%
Rate of Return Break Even Point	42%

# POLY ALUMINIUM CHLORIDE [EIRI-1018]

Aluminium chloride hydroxide [1327-41-9], [10284-64-7], Alcl (OH)2 [14215-15-7] AICI2(OH), produts, 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 hydroxychlorid, 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 centary, 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%

## 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

#### 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%
********	******

# 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 propertie 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.

#### **Cost Estimation**

Plant Capacity	100 KGS/Day
Land & Building (Area 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%

# MAIZE & BY-PRODUCTS PROCESSING [EIRI-1421]

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

#### Cost Estimation

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

# Market Survey Cum Detailed Techno Economic Feasibility Reports

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



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

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

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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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"MARKET SURVEY CUM DETAILED TECHNO ECONOMIC FEASIBILITY REPORTS"
on following lucrative products which are most viable and profitable and having bright future scope

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

- COTTON CLOTH
- LAUNDRY & DRY CLEANERS COATED YARN
- \* TOUGHENED GLASS
- \* CAUSTIC SODA (SODIUM HYDROXIDE) (NaoH) FLECTROLYTIC 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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# Highly Profitable Projects for New Entrepreneurs "EIRI Market Survey Cum Detailed Techno Economic Feasibility Reports"

- STEEL FABRICATION STEEL ROLLING MILL (REINFORCEMENT BAR)
- **ACRYLIC BATH TUB BY** ACRYLIC SHEET
- **FABRICATION OF HEAT EXCHANGER**
- KITCHEN PRODUCTS MADE OF STAINLESS STEEL
- ALUMINIUM BEVERAGE CAN STEEL ROLLING MILL (BY INDUCTION FURNACE FROM STEEL SCRAP & SPONG IRON
- M.S. BILLET CASTING WITH INDUCTION FURNACE FROM STEEL SCRAP & SPONGE IRON
- PROCESSING OF LOW **GRADE TUNGESTEN ORE FULL BODY & CHASSISS BUS PLANT**
- ASSEMBLY OF AIR -CONDITIONER/CHEST FREEZER/REFRIGERATOR
- G.I.LADDER & PERFORATED
- **ALUMINIUM DOORS &** WINDOWS (ALUMINIUM FABRICATION)
- LEAF SPRINGS FOR TRACTOR DRAWN **TROLLEYS & FOUR**
- WHEELER TEMPOS STEEL BRIGHT BARS
- AUTOMOTIVE ENGINE VALVE AUTOMOTIVE BRAKING
- SYSTEM DISPLAY COOLER
- ERW STEEL PIPES & TUBES
- STEEL INGOTS
- TMT STEEL BARS (SARIYA)
- **AUTOMOBILE TRACTORS**
- **ACTIVATED ALUMINA BALLS**
- ALUMINIUM FOIL
- STONEWARE PIPE
- (S.W.PIPE)/ CLAY PIPE
- **IRON ORÉ 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
- ALUMINIUM EXTRUSION

POWER PLANT

- ALUMINIUM COIL COATING FOR ACP AND ROOFING IND.
- PAVING BLOCK
- WIRE NAILS
- TMT STEEL BARS FASTENERS/NUT & BOLTS (INDUSTRIAL &AUTOMOBILE)
- HYDRAULIC CYLINDERS **DISPOSABLE SYRINGES** WITH NEEDLE PLANT FABRICATION UNIT
- (PRESSURE VESSEL. REACTOR VESSEL & AGITATORS, HEAT
- **EXCHANGERS) & SEAMLESS** PIPES AND TUBES
- COPPER POWDER FROM COPPER SCRAP
- STONE CRUSHER PRODUCTION OF ALL TYPES OF FANS SUCH AS AXIAL FANS, CENTRIFUGAL FANS (SMOKE EXTRACT FANS & FRESH AIR SUPPLY
- FANS), BATHROOM FANSETC STONE MINING MAHINDRA CAR **DEALERSHIP WITH** AUTOMOBILE SERVICE
- STATION/GARAGE AUTO FILTERS (AIR FILTERS, OIL FILTERS & FUEL FILTERS)
- AAC & ACSR ALUMINIUM CONDUCTORS
- MANGANESE ORE JIGGING STEEL TRANSMISSION LINE TOWERS AND ROLLING MILL TO PRODUCE STEEL SECTIONS
- FERRO SILICON (FROM MINERAL INGREDIENTS) STAINLESS STEEL TUBES
- M.S.FASTENERS AND S.S. FASTENERS
- PREFABRICATED STEEL FRAMED BUILDING MANUFACTURING PLANT
- LEAD ACID BATTERY
- GALVANISED WIRE POWER TRANSFORMER (50 KVA TO 2000 KVA)
- M.S. PIPE
- GALVANISED IRON SHEETS
- M.S.BILLETS STEEL GRATING (GALVANISING ELECTRO FORGED STEEL GRATING)
- ALLOY WHEELS PLANT ESTABLISHMENT OF MANUFACTURING OF
- REFRIGERATING APPLIANCE WELDED WIRE MESH ALUMINIUM COLD **ROLLING MILL FOR**
- SHEETS & CIRCLES ALUMINIUM ROLLING MILL FOR MANUFACTURING ALUMINIUM CIRCLES

- REQUIRED FOR PRESSURE COOKERS. NON STICK COOKWARES & CIRCLES
- LPG CYLINDER ALUMINIUM COMPOSITE PANNELS.
- DEEP FREEZER **ENVIRONMENTAL** CLEARANCE FOR EXPANSION OF INGOTS/ **BILLETS PLANT**
- FERRO SILICON BY SMELTING PROCESS
- ALUMINIUM CONDUCTOR **PRESTRESSED**
- **CONCRETE POLES** FASTENERS (NUT & BOLT)
- USED IN OIL AND GAS ALUMINIUM ALLOY PLANT
- STAINLESS STEEL SINKS ALUMINIUM ALLOY PLANT
- P.V.C BATTERYSEPARATOR AUTOMOTIVE TYRE AND TUBE VALVES (VALVES
- MANUFACTURING) PRESSURE COOKWARE ALUMINIUM, STAINLESS
- STEEL & HARD ANODIZED ELECTRIC WATER HEATER
- SOLAR WATER HEATER DOMESTIC & INDUSTRIAL
- CORRUGATED COLOURED ROOFING
- GALVANISED IRON SHEET PRESSURE DIE CASTING G.I.WIRE AND BARBED
- G.I.WIRE & M.S. BINDING
- 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
- OTIONS ETC.) ANHYDROUS SODIUM DITHIONITE PRODUCTION (SODIUM FORMATE
- PROCESS) SODA ASH PLANT (FROM SOLUTION BRINE)
- SISAL FIBRE REINFORCED
- CEMENT ROOFING SHEET
- HIGH ALUMINA REFRACTORY BRICK **PLANT**
- **CATHETERS** MANUFACTURING
- SURGICAL RUBBER DISPOSABLE GOODS

- POULTRY AND HATHERY **FARMING**
- MILK PROCESSING PLANT ROASTED, SALTED ALMONDS,
- PEANUTS FOR PACKING IN 25g, 50g,250g & 500g SACHET-S
- BEER FROM POTATOES
- **GUAR GUM POWDER**
- AUTOMATIC WHITE BREAD MAKING PLANT
- AUTOMATIC BISCUIT MAKING PLANT FROZEN FOOD BY JOE
- TECHNOLOGY WAI NUT PROCESSING PLANT
- WHIPPING CREAM FRUITS & VEGETABLES POWDER UNIT (EXPORTS ORIENTED UNIT)
- NATURAL MEDICINE & RESEARCH INSTITUTE WITH 150 BEDS HOSPITAL
- PACKAGED DRINKING WATER (PACKED IN 330 ml CUP, 500ML BOTTLE, 1500 ML BOTTLE AND 20 LTR. JAR)
- COLD STORAGE (CONTROLLED ATMOSPHERE OR CA) FOR POTATO CAP: 1,00,000 BAGS (50 Kg/Bag), STORING CAP: 5000 Mt, SOLVENT EXTRACTION & REFINING (SOYABEAN) (Cap: 250mt/day & 50mt/Day Oil
- Refining) BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKS, GIN) FROM RECTIFIED SPIRIT/ENA LUBE OIL BLENDING AND GREASES PLANT
- COLD STORAGE FOR POTATO 1,00,000 BAGS (50 KG/BAG)
- MAIZE FLOUR & BY PRODUCT MANUFACTURING PLANT
- CUT FLOWER (GLADIOLI, MARIGOLD, STATICE, CHRYSANTHEMUM ROSE
- WITH GREEN HOUSE) CATTLE FARMING AND DAIRY PRODUCTS
- COLD STORAGE FOR POTATO AND OTHER HORTICULTURE PRODUCTS Cap:- 5000 Mt or 100000 Bags (50 Kg/Bag)
- DEXTROSE PLANT SBR RUBBER SHEETS AND
- SHOE MANUFACTURING CASHEW NUT PROCESSING PLYWOOD AND PLYBOARD
- PARTICLE BOARD AND LAMINATED PARTICLE BOARD VENEER MAKING, PLYWOOD
- & PLYBOARD MAKING WALNUT & PINUS(CHILGOZA) OIL, SHELL POWDER
- PROCESSING PLANT COUNTRY LIQUOR BOTTLING PLANT (1,00,000 BOTTLES/

* PLASTIC GRANULES FROM	* READY MADE GARMENT	FIBRE BLANKET, CERAMIC	* POLYALUMINIUM CHLORIDE
PLASTIC WASTE	(T-SHIRT/POLO GOLFER/	FIBRE BOARD AND CERAMIC	* NAMKEEN INDUSTRY
* ROPE AND SUTLI MAKING	WOVEN SHIRTING & SUITING	FIBRE ROPE	(BHUJIA, CHANACHUR ETC.)
PLANT	FOR UNIFORMS/SWEATERS)	* COLD SUPPLY CHAIN	* POLYOL USED FOR
* BOTTLING PLANT (COUNTRY	MANUFACTURING	* LAMI TUBE MANUFACTURING	POLYURETHANES
LIQUOR) 10,000 LTRS./DAY)	* BIO-DIESEL EXTRACTION	* EYE DROP 3 PIECES	* POLYSTYRENE POLY
* I.V. FLUID (FFS OR BFS	FROM JATROPHA, SOYABEAN, SUNFLOWER,	(PLASTIC VIALS) * PET BOTTLES (CAMBER/	PROPYLENE OXIDE * DIETHYL PHTHALATE
* TOXIN PAN MASALA,	RICE BRAN, ALGE &	CLEAR IN COLOUR) CAP:	* UREA FORMALDEHYDE AND
TOBACCO LESS GUTKHA	CULTIVATION OF JATROPHA	15ML,60ML 100ML,135ML,	MELAMINE MELAMINE
AND ZARDA	* FAST FOOD RESTAURANT	200ML & 500ML	* FORMALDEHYDE MOULDING
* RUBBER & FLAT	CHAIN WITH CENTRALLISED	* BENZYL ALKONIUM	POWDER
TRANSMISSION BELT	KITCHEN	CHLORIDE (BKC)	* INSTANT COFFEE
CONVEYOR BELT	* GUAR SPLIT POWDER AND	* NATURAL SUGAR WAX	* ANNATTO SEED COLOUR
* UPVC DOORS & WINDOWS	OTHER BY PRODUCTS	* MARGARINE BUTTERFROM	EXTRACTION
FABRICATING PLANT (Fixing	* SOLVENT EXTRACTION	VEGETABLE OIL	* FRUITS AND VEGETABLES
and Installation of Door and	PLANT (COTTON SEED)	* GREEN HOUSE FOR CROP	DRYING BY (FREEZE DRYING
Windows of uPVC profiles)	* RASGULLA MANUFACTURING		METHOD)
* RUBBER & FLAT	AND CANNING	* ORGANIC DAIRY FARMING * E-WASTE	* BIO GAS PRODUCTION AND
TRANSMISSION BELT	* CULTIVATION OF RICE &	* BIO-DIESEL FROM ALGAE	BOTTLING PLANT
CONVEYOR BELT * MUSTARD OIL PROCESSING	WHEAT COMMERCIAL & MECHANISED DEVELOPMNT	* VANADIUM PENT OXIDE	* JAM, JELLIES, FRUIT JUICE AND ALLIED PRODUCTS
PLANT (EXPELLER PROCESS)	l	GRAPHITE MINING AND	MATERNITY NURSING HOME
* MEDICAL COLLEGE WITH	PROCESSING -STARCH	BENEFICIATION PLANT	* CANNING & PRESERVATION
750 BEDS HOSPITAL FACILITY	MODIFIED STARCHES/LIQUID	* VITAMIN WATER	OF VEGETABLES
* MICRO IRRIGATION	GLUCOSE/DEXTROSE	* PET PREFORM CUM PET	* CURCUMIN & TURMERIC OIL
PRODUCT MANUFACTURING	MONOHYDRATE/GLUCOSE	BOTTLES	FROM TURMERIC
PLANT	SYRUPS/CORN SYRUP	* ORGANIC DAIRY FARMING	DETERGENT WASHING
* HOT DIP GALVANIZING	SOLIDS/HIGH MALTOSE	AND PRODUCING WHOLE	POWDER (ARIEL TYPE)
MUSTARD OIL PROCESSING	CORN SYRPS/ MAITO	MILK POWDER (WMP)	* GRANITE SLAB AND TILES
PLANT (EXPELLER PROCESS)		* HDPE BOTTLES	* TEA PACKAGING
CEMENT TILES, CANAL LINE	GLUTEN MEAL (60%) MAIZE OIL/SORBITOL	* CAUSTIC SODA FROM SODIUM CHLORIDE	* PAN MASALA & GUTKHA  * PRESTRESSED CONCRETE
SLAB, KERV STONE, PAYER RCC PIPE, MANOHOLE	* TEAK FARMING	* COAL TAR PITCH	ELECTRIC POLES
COVER.ENTERLOCKING ETC.	* ARTIFICIAL MARBLE	* MOSQUITO REPELLANT	* LEATHER SHOES
MANUFACTURING PLANT	(SYNTHETIC)	* WRIST BAND	* ROTOGRAVURE PRINTING
* MEDICAL COLLEGE (100	* POTATO STARCH CARDANOL	* CASTOR OIL AND ITS	(FOR FLEXIBLE PACKAGING)
STUDENT INTAKE `	FROM C.N.S.L. (CASHEWNUT	DERIVATIVES OLEO RESIN,	* AUTOCLAVED AERATED
CAP. MEDICAL COLLEGE	SHELL LIQVID	TURKEY RED OIL, DCO, HCO,	CONCRETE BLOCKS
WITH 500 BED HOSPITAL)	* INTEGRATED SCRAP YARD	SEBACIC ACID, 12-HYDROXY	* OXYGEN AND NITROGEN
* ESTABLISHMENT OF A	* POTATO STARCH	STEARIC ACID	GAS PLANT
PRIVATE UNIVERSITY	* MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING)	* PAPAIN FROM PAPAYA	* MANGANESE ORE
* DIGITAL INKS	* BOTTLING PLANT (WHISKY,	* PROCESSED CHEESE * MONOCHLOROBENZENE	BENEFICATION * MINERAL WOOL
* GALVANIZING PROCESS PLANT FOR ELECTRICAL	BRANDY, RUM, VODKA, GIN)	* EUGENOL FROM CINNAMON	* CALCIUM SILICATE
POLES	FROM RECTIFIED SPIRIT/ENA		* TOUGHENED GLASS
* MAIZE PROCESSING PLANT	* COW DAIRY FARMING	* SULPHUR 80% WDG	* HUMIC ACID
* STARCHES / MODIFIED	(AYRSHIRE/HOLSTEIN) AND	* CERAMIC FIBERS,	* OFFSET PRINTING UNIT
STARCHES/ LIQUID GLUCOSE	MILK PROCESSING MILK/DAY	CERAMIC FIBRE BLANKET,	(5 COLOUR)
/ DEXTROSE MONOHYDRATE	CAP-50,000 LTR/DAY	CERAMIC FIBRE BOARD	* CASTOR OIL AND ITS
/GLUCOSE SYRUPS / CORN	* WHEAT FLOUR MILL	AND CERAMIC FIBRE ROPE	DERIVATIVES OLEORESIN
SYRUP SOLIDS / HIGH	* CHAKKI FLOUR MILL	* SCREEN PRINTING	* TISSUE PAPER PULPING
MALTOSE CORN SYRUPS /	* I.V. FLUID (FFSTECHNOLOGY)	* DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE	FROM SAW DUST
MALTO DEXTRINE POWDER /	* LIQUID GLUCOSE FROM POTATOES	& HAIFA PROCESS	* KNITTED GLOVES * RADIATOR COOLANT
CORN GLUTEN MEAL (60%)	* SORBITOL FROM MAIZE	* PVC FLEXIBLE PIPE	* LATEX FOAM RUBBER
MAIZE OIL / SORBITOL. * BABY CARE PRODUCTS	STARCH	* FLEX BANNER USED IN	(SPONG RUBBER)
* FAT LIQUOR (CHLORINATED	* WALNUT PROCESSINGPLANT		* GARLIC OIL AND POWDER
PARAFFIN WAX)	* SOLVENT EXTRACTION AND	* PIGMENTS BINDERS FOR	* ACTIVATED CARBON &
* BOTTLING OF WHISKY	OIL REFINERY CUM PACKING	TEXTILE PRINTING	SODIUM SILICATE FROM
* UPVC DOORS & WINDOWS	OF RICE BRAN OIL	* POULTRY & HATCHERY FARM	PADDY/ RICE HUSK
PROFILES	* COTTON SEED OIL SOLVENT	* ALOEVERA JUICE AND GEL	* TRIETHYLENE GLYCOL
* EPDM RUBBER PROFILES	EXTRACTION PLANT	* LIME PUTTY	* RAMMING MASS
* FAT LIQUOR (CHLORINATED	* MARINE TRAINING INSTITUTE	* AUTOMOBILE WORKSHOP/ GARAGE	* WOOD PEELING &
PARAFFIN WAX)	& PLACEMENT SERVICE PROVIDING AGENCY	* EGG TRAY FROM PULP	VENEER MAKING * PETROLEUM JELLY
* FAST FOOD RESTAURANT WITH CENTRALLISED	* I.V.FLUID (FFS TECHNOLOGY)		* DAIRY FARM (COW &
KITCHEN	* CERAMIC FIBERS, CERAMIC	* OXYGEN GAS	BUFFALO) TO PRODUCE

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

ENGINEERS INDIA RESEARCH INSTITUTE

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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)
* 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
(HARRIC TYPE)
(HARPIC TYPE)
* LIME & PRECIPITATED
* CALCIUM CARBONATE
* LIQUID GLUCOSE FROM
BROKEN RICE
Market Survey Cum

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) SINGLÉ 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)

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 LINSATURATED 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) HDPF MONO FILAMEN NET POTATO & ONION FLAKES

DUSTLESS CHALK (SCHOOL CHALK) TOMATO POWDER BIODEGRADABLE / COMPOSTABLE PLASTICS ACRYLIC CO POLYMER **EMULSION** ESTER GUM (FOOD GRADE) PROTEIN BASED FOAMING AGENT LECITHIN (SOYA BASED) SOYA OIL AND CATTLE FEED FROM SOYA BEAN COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS CELL CAST ACRYLIC SHFFT ACRYLIC BATH TUB AND SHOWER TRAY THERMOCOLE BASED DISPOSABLE PLATES SODIUM SILICATE FROM RICE HUSK ETHYL METHACRYLATE SODIUM LAURYL ETHER SULPHATE LATEX GLOVES, **CONDOMS & CATHETER** CALCIUM NITRATE GRAIN BASED ALCOHOL DISTILLERY **BULK DRUGS** MARBLE QUARRYING **CULTIVATION OF** CAPSICUM IN GREEN HOUSE SULPHUR 90% WDG EGG POWDER WOOD PLASTIC COMPOSITE BOARD LINE SODIUM LAURYL SULPHATE AND SODIUM LAURYL ETHER SULPHATE FISH PROCESSING BABY CEREAL FOOD & MILK POWDERS (BABY FOOD) GUR (JAGGERY) DAIRY PRODUCTS CHLORINATED PARAFFIN WAX (CPW) HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST) HANDWASHING DETERGENT POWDER USING THE DRY

MIX PROCESS INCLUDING

Market Survey Cum Detailed Techno Economic Faeasibility Report on all Projects are available contact: ENGINEERS INDIA RESEARCH INSTITUTE

COTTON SPINNING, SIZING,

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

- FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST)
- \* DIGITAL PHOTOPAPÉR/ INKJET PHOTOPAPER
- \* KAOLIN FOR ROAD MAKING \* PEPPERMINT CULTIVATION & PROCESSING
- \* PEPPERMINT CULTIVATION & PROCESSING
- \* HDPE PIPE
- \* HDPE PIPE
- \* ACTIVATED CARBON FROM RICE HUSK
- \* HT & LT INSULATOR, HT AIR BRAKE SWITCH D.O. FUSE, LIGHTENING ARRESTOR
- \* PET BOTTLES IN CAP: 500ML 1 LTR, 2 LTRS, 5 LTRS, USED FOR PACKAGED DRINKING WATER, EDIBLE OILS
- \* ALCOHOLIC BEVERAGES (COUNTRY LIQUOR & IMFL) \* QUARTZ BASED INDUSTRIES (QUARTZ POWDER SILICA SAND SILICA RAMMING MASS FUSED SILICA)
- \* BEEDI (BIDI) BY MACHINE
- \* RICE SHELLER
- \* FRUIT RIPENING CHAMBER
- \* MINERAL WATER AND PET BOTTLING PLANT
- \* DIAGNOSTIC LAB AND
- \* ONLINE TRADING BUSINESS
- \* CEREAL MILLING
- \* MINI OIL PLANT SUITABLE FOR GROUNDNUT OIL AND COTTON SEED OIL
- \* CHANACHUR, BHUJIA, GANTHIA (AUTOMATIC PLANT)
- \* KHADYA SURAKSHA (FOOD SECURITY)
- \* PLASTIC WATER STORAGE TANKS
- \* ZINC SULPHATE, MONOHYDRATE & HEPTA HYDRATE
- \* CIGARETTE MANUFACTURING UNIT
- \* CATTLE FEED PELLETS PLANT FOR COW & BUFFALOE FOR BOOSTING MILK AND GROWTH TYRE RECYCLING UNIT
- \* PAPAIN EXTRACTION INDUSTRY
- \* CAKE SHOP
- \* BUSINESS PROCESS

- OUTSOURCE (B.P.O.)
  \* EMPTY HARD GELATINE CAPSULES
- \* BIOFERTILIZER
- \* PLASTIC MOULDING UNIT (CHAIR, TABLES & VEGETABLE TRAYS)
- \* GOLD POTASSIUM CYANIDE (G.P.C.)
- \* HDPE, PVC & CPVC PIPES AND FITTINGS
- \* NO CARB PASTE (ANTICARBURIZING PASTE-WATER SOLUBLE) FOR HEAT TREATMENT
- \* CONVERSION WASTE PLASTIC WITH TYRE INTO ACTIVATED CARBON AND INDUSTRIAL FUEL
- \* PYROLYSIS PLANT FROM PLASTIC & RUBBER
- \* COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS
- \* AGAR AGAR \* NAIL POLISH
- \* PLASTIC GRANULES FROM WASTE
- \* AGARBATTI SYNTHETIC PERFUMERY COMPOUNDS & AGARBATTI COMPOUNDS LIKE (CHAMPA, MOGRA,
- SANDAL WOOD & LOBAN) \* PET PREFORM AND PET
- JARS (20 LTRS CAPACITY)

  \* KRAFT PAPER FROM 100%
- WASTE PAPER
  \* PRIVATE UNIVERSITY
- \* PRIVATE UNIVERSITY

  \* LIQUID GLUCOSE AND
  MALTODEXTRIN FROM
  BROKEN RICE
- \* DRY WALL PUTTY (WHITE CEMENT BASED)
- \* CONSTRUCTION CHEMICALS OT PASTE \* FUSED SILICA FROM SILICA
- \* FUSED SILICA FROM SILICA SAND
- \* BANANA CHIPS, BANANA PULP & BANANA POWDER (BANANA PRODUCTS)
- \* CONFECTIONERY UNIT (TOFFEE, CANDY /LOLLIPOP CHEWING GUM, BUBBLE GUM CHOCOLATE)
- \* FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE & THEIR MODIFIED RESINS)

- \* EPDM RUBBER PROFILES (WEATHER STRIPS, INDUSTRIAL MONOSTRIPS ETC)
- GRANITE CUTTING AND
- POLISHING UNIT (100% EOU) SURGICAL COTTON, ROLLER BANDAGE, CREPE BANDAGE & PLASTER CART (READY MADE) E.G. GYPSONA 3M CART
- ENTERTAINMENT CLUB, HOLIDAY RESORT, 4 STAR HOTEL, AMUSEMENT PARK CUM WATER PARK, MUSHROOM & ITS PRODUCTS, FISH FARMING, LAKE FOR BOATING, DEER PARK ETC.
- \* HDPE, PVC, LLDPE PIPES/ TUBES AND FITTING \* EPOXIDIZED SOYABEAN OIL (SECONDARY PLASTICIZER) USED IN PVC COMPOUND \* POULTRY PROCESSING
- PLANT
  \* B.O.P.P. SELF ADHESIVE
- TAPES \* I.V.SET
- MANGANESE OXIDE AND MANGANESE SULPHATE
- \* ODOURLESS NYLON GRANULES FROM FIBER OF WASTE TYRE WITHOUT CHANGING PROPERTIES OF NYLON
- \* PARTICLE BOARD FROM RICE HUSK OR WOOD WASTE OR SUGAR CANE BAGASSE OR MIXED OF ALL ABOVE POULTRY LAYER AND BROILER FARMING
- \* TOMATO, GUAVA AND MANGO PULP
- GREEN HOUSE
  HYDROXY PROPYL GUAR
  (HPG) AND CARBOXY
  METHYL HYDROXY PROPYL
  GUAR
- \* BATHSOAP MANUFACTURE \* PLASTIC MOULDED CHAIRS
- FROZEN POTATO PATTY

  \* CALCIUM ALUMINATE

  \* ACTIVATED CARBON FROM
  COCONUT SHELL
- \* RIGID PVC FILM MANUFACTURE FOR PHARMACEUTICALS BLISTER

- **PACKAGING**
- \* NYLONE 66 CURING TAPE USED IN RUBBER HOSE PIPE WRAPPING
- \* ANTIFOAMING/DEFOAMING AGENT LIKE ANTAROL T-709
- \* SOY AND GLUTEN BASED MOCK MEAT
- KRAFT PAPER USING WASTE PAPER AND OLD CORRUGATED CARTONS
- \* GLASS BOTTLE FOR BEER AND BEER MUG (TUMBLER) \* DISPOSABLE SYRINGES AND NEEDLE PLANT (Single Use Syringes, Single Use Needles & As Syringes)
- DIRECT FILLED BALL PEN (USE AND THROW)
- BENZALKONIUM CHLORIDE SPINNING COTTON (COTTON SPINNING PLANT)
- \* CALCIUM CHLORÍDE 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
- \* 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, CHESSE CURD/YOGURT, ICE
- CREAM) WITH PACKAGING UNIT
  \* GREASE MANUFACTURING

#### **TERMS AND CONDITIONS**



Ask for the quotation for the required project report at eiritechnology@gmail.com or eiriprojects@gmail.com
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- \* Modern Technology of Organic & Inorganic Chemicals
- \* Electroplating, Anodizing & Surface Finishing Technology
- \* Hand Book of Agro Chemical Indust.(Insecticide & Pesticide)
- \* Technology of Synthetic Dyes, Pigments Intermediates
- \* Petrochemicals, Lubricants, Greases & Petroleum Refining
- \* H.B.of Lubricants, Greases & Petrochemicals Technology

#### **GUMS, ADHESIVES & SEALANTS**

- \* Technology of Gums, Adhesives & Sealants with Formulations
- Hand Book of Adhesives with their Formulae (2nd Edn.)
- \* Adhesives Technology & Formulations Hand Book
- \* Technology of Glue & Adhesives with Adhesives Bonding and Formulations
- Complete Hand Book on Adhesives and Adhesion Tech. with Project Profiles

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

- \* Start Your Own Export
- Business (How To Export)
  \* Start Your Own Small
- \* Start Your Own Small Business and Industry
- \* Candle Making Processes &
- Formulations Hand-Book

  \* Stationery, Paper Converting
- & Packaging Industries
  \* Modern Inks Formulaes &
- Manufacturing Industries
  \* Profitable Businesses to
  Start for Entrepreneurs
- \* Modern Small & Cottage Scale Industries
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## BIO FUEL, BIO GAS & BIOPROCESSING

- \* Technology of Bio-Fuel (Ethanol & Biodiesel)
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- \* ModTech.of BioGas Production

#### SWEETS, NAMKEEN & SNACK FOOD

- Tech of Sweets (Mithai) with Formulae
- \* Technology of Sweets (Mithai), Namkeen and Snacks Food with Formulae
- Mfr. of Snacks Food, Namkeen, Pappad & Potato Products

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Technology of Water and Packaged Drinking Water

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- Processes & Technology

  \* Hand Book of Prepress
- \* Hand Book of Packaging Indus
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- Hand Book of Food Packaging Technology
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  \* Paint Varnish Solvents
- & Coating Technology
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- \* Technology of Synthetic
- Resins & Emulsion Polymers

  \* Technology of Paints and
- Coatings with Formulations
  \* Powder Coating Technology

#### PLASTIC/POLYMER PROCESSING, COMPOUNDING, INJECTION MOULDING, ROTATIONAL MOULDING, PLASTIC FILM, FIBRE GLASS, PLASTIC WASTE RECYCLING, MOULDS, PET & RESINS, ADDITIVES INDUSTRIES

- Moulds Design & Processing Hand Book
- Hand Book of Plastic Materials
- & Processing Technology
  \* Injection Moulding of Plastics
- \* Plastic Processing & Packaging Industries
- \* Plastic Waste Recycling Tech.

  \* Technology of Plastic Films
- \* Technology of Plastic Films \* Rotational Moulding Technology HandBook
- Plastic Compounding, Master Batches, PET & Other Plastics
   Synthetic Resins Technology with Formulations

- Technology of PVC Compounding & Its Applications
- \* Polymer & Plastic Technology
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- \* Plastic Additives Technology
- \* Technology of PET Bottles,
- Preform and PET Recycling

  \* Modern Technology of
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- Technology of Synthetic Resins & Emulsion Polymers
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- Identification Of Plastics And Other Plastic Process Industries (Polystyrene, Nylon, Thermoplastic Elastomer, Alkyd Resin, Polypropylene Plastics, Melamine Formaldehyde Resins, Abs, Plastic Blends, Polyvinylidene Chloride
- Plastics, Polymer, Pipes)
  Complete Technology Book
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- Recycling Of Plastics With Project Profiles Modern Technology Of
- Injection Moulding, Blow Moulding, Plastic Extrusion, Pet And Other Plastics

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- Hand Book of Confectionery with Formulations
- Breakfast, Dietary Food, Pasta & Cereal Products Technology
- \* Hand Book of Modern Bakery Products (2nd Edn.)
- Modern Bakery Technology & Fermented Cereal Products with Formulae
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- Floriculture Hand Book
- (Flowers Growing Technology) Aloe Vera Cultivation, Processings, Formulations and Manufacturing Technology

#### DAIRY FARM, MILK PROCESSING **AND ICE CREAM**

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- Hand Book of Milk Processing, **Dairy Products and Packaging** Technology
- Dairy Farming for Milk **Production Technology**
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- **Aromatic & Medicinal Plants** and Biodiesel (Jatropha)
- Hand Book of Medicinal & **Aromatic Plants**

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

- Fruits & Vegetable Processing Hand Book (2nd Edn.)
- Fruit Beverage & Processing with Mango
- Food Processing & Agro Based Industries (2nd Edn.)
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- Fruits and Vegetables Hand Book of Food
- **Dehydration & Drying** Meat Processing & Meat **Products Hand Book**

Name of Books

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

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

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

#### FOOD ADDITIVES/CHEMICALS AND WEETENERS & FOOD EMULSIFIERS

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

#### **DISPOSABLE MEDICAL PRODUCTS**

**Technology of Disposable Medical Products** 

#### SOYA MILK, TOFU & SOY PRODUCTS

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

#### PRODUCTS FROM

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

#### WINE PRODUCTION

Technology of Wine **Production and Packaging** 

### CASTING TECHNOLOGY

Casting Technology H.Book

#### TEXTILE AUXILIARY & CHEMICALS

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

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

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

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