

HI-TECH PROJECTS

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PROFITABLE INDUSTRIES FOR YOU

<p>STATOR AND ROTOR OF CEILING FAN [EIRI-1782]</p> <p>Die casting is a popular manufacturing process for casting metal products. There are two main die casting process types and several variations in process design. When molten metal is forced into mold cavities at high pressure, it is known as die casting. The process is best suited for speedy production of bulk metallic parts that require minimal post-production machining.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>14 MT./Day</td></tr> <tr><td>Land & Building (4000 Sq.Mt.)</td><td>Rs. 3.50 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 87.90 Lacs</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 11.19 Cr</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 15.87 Cr</td></tr> <tr><td>Rate of Return</td><td>20%</td></tr> <tr><td>Break Even Point</td><td>54%</td></tr> </table>	Plant Capacity	14 MT./Day	Land & Building (4000 Sq.Mt.)	Rs. 3.50 Cr	Plant & Machinery	Rs. 87.90 Lacs	W.C. for 2 Months	Rs. 11.19 Cr	Total Capital Investment	Rs. 15.87 Cr	Rate of Return	20%	Break Even Point	54%	<p>you could damage your plumbing system." Not to mention, if the sewer is blocked, the costs to repair it can be steep and can fall on property owners if they are at fault.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>20000 Nos./Day</td></tr> <tr><td>Land & Building (600 Sq.Mtr)</td><td>Rs. 83 Lacs</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 40 Lacs</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 16 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 1.47 Cr</td></tr> <tr><td>Rate of Return</td><td>17%</td></tr> <tr><td>Break Even Point</td><td>66%</td></tr> </table>	Plant Capacity	20000 Nos./Day	Land & Building (600 Sq.Mtr)	Rs. 83 Lacs	Plant & Machinery	Rs. 40 Lacs	W.C. for 3 Months	Rs. 16 Lacs	Total Capital Investment	Rs. 1.47 Cr	Rate of Return	17%	Break Even Point	66%	<p>CHROME PLATING ON ABS PLASTIC PARTS [EIRI-1787]</p> <p>Chrome plating, is a technique of electroplating a thin layer of chromium onto a metal or plastic object. The chromed layer can be decorative, provide corrosion resistance, ease cleaning procedures, or increase surface hardness. Sometimes a less expensive imitator of chrome may be used for aesthetic purposes.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>4000 Sq.Ft./Day</td></tr> <tr><td>Land & Building (1000 Sq.Mt.)</td><td>Rs.1.22 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 32 Lacs</td></tr> <tr><td>W.C. for 1 Month</td><td>Rs. 10 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 1.77 Cr</td></tr> <tr><td>Rate of Return</td><td>22%</td></tr> <tr><td>Break Even Point</td><td>66%</td></tr> </table>	Plant Capacity	4000 Sq.Ft./Day	Land & Building (1000 Sq.Mt.)	Rs.1.22 Cr	Plant & Machinery	Rs. 32 Lacs	W.C. for 1 Month	Rs. 10 Lacs	Total Capital Investment	Rs. 1.77 Cr	Rate of Return	22%	Break Even Point	66%
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<p>SUGARCANE JUICE IN TETRAPACK [EIRI-1783]</p> <p>Sugarcane juice in tetra pack must be a demandable product as there are few units which are producing mango juice, guava juice, mixed juice and orange juice in tetra packs but not sugar cane. Tetra pack sugar cane juice will fetch the good market as this is a new concept for our country. Preservation is done when Juice or food is kept for longer period without any deteriorated or spoils the juice by the direct contact with atmosphere. Juices are spoiled by decomposition due to aqueous content in the Juice itself and oxygen and other gases plus moisture in the atmosphere. This content provides healthy condition for micro organisms to growth which spoils the food. The oxygen present in atmosphere or air also helps the microorganisms to grow.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>10,000 LPD/Day</td></tr> <tr><td>Land & Building (2 Acres)</td><td>Rs. 2.89 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 7.14 Cr</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 1.04 Cr</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 11.43 Cr</td></tr> <tr><td>Rate of Return</td><td>25%</td></tr> <tr><td>Break Even Point</td><td>58%</td></tr> </table>	Plant Capacity	10,000 LPD/Day	Land & Building (2 Acres)	Rs. 2.89 Cr	Plant & Machinery	Rs. 7.14 Cr	W.C. for 2 Months	Rs. 1.04 Cr	Total Capital Investment	Rs. 11.43 Cr	Rate of Return	25%	Break Even Point	58%	<p>TYRE RETREADING [EIRI-1785]</p> <p>'Retreading' means taking a worn casing of good structural quality and putting it through a process which completely renews the tread of the tyre and sometimes the sidewall rubber. The rebuilt tyre is then subjected to a curing process where the new rubber is vulcanised to the casing and the tread pattern is formed. Over the years tyre manufacturers have invested heavily in product development to deliver tyres that not only have a 'first life' but are also designed to perform equally as well in subsequent second and even third lives. Stronger casings, improved re-manufacturing techniques, a variety of specialist rubber compounds, coupled with the need to recycle and reduce the negative impact on the environment has lead to a sustained growth in the retread industry.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>60.00 NOS./Day</td></tr> <tr><td>Land & Building (2000 Sq.Mtr)</td><td>Rs. 1.61 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 44 Lacs</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 1.06 Cr</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 3.17 Cr</td></tr> <tr><td>Rate of Return</td><td>23%</td></tr> <tr><td>Break Even Point</td><td>54%</td></tr> </table>	Plant Capacity	60.00 NOS./Day	Land & Building (2000 Sq.Mtr)	Rs. 1.61 Cr	Plant & Machinery	Rs. 44 Lacs	W.C. for 2 Months	Rs. 1.06 Cr	Total Capital Investment	Rs. 3.17 Cr	Rate of Return	23%	Break Even Point	54%	<p>POLYOL USED IN POLYURETHANES [EIRI-1788]</p> <p>In polymer chemistry, polyols are compounds with multiple hydroxyl functional groups available for organic reactions. A molecule with two hydroxyl groups is a diol, one with three is a triol, one with four is a tetrol and so on. Monomeric polyols such as glycerin, pentaerythritol, ethylene glycol and sucrose often serve as the starting point for polymeric polyols. These materials are often referred to as the "initiators" and reacted with propylene oxide or ethylene oxide to produce polymeric polyols. However, they should not be confused with free radical "initiators" used to promote other polymerization reactions. The functional group used as the starting point for a polymeric polyol need not be a hydroxyl group.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>20 TONS/Day</td></tr> <tr><td>Land & Building (5000 Sq.Mtrs)</td><td>Rs. 3.62 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 2.66 Cr</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 14.53 Cr</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 21.12 Cr</td></tr> <tr><td>Rate of Return</td><td>62%</td></tr> <tr><td>Break Even Point</td><td>23%</td></tr> </table>	Plant Capacity	20 TONS/Day	Land & Building (5000 Sq.Mtrs)	Rs. 3.62 Cr	Plant & Machinery	Rs. 2.66 Cr	W.C. for 3 Months	Rs. 14.53 Cr	Total Capital Investment	Rs. 21.12 Cr	Rate of Return	62%	Break Even Point	23%
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<p>SANITARY NAPKINS DISPOSAL PAPER BAGS (BIODEGRADABLE) [EIRI-1784]</p> <p>Water and public works department of cities across the U.S. often include advisories that suggest ways customers can avoid water backup problems and prevent blockages and other sewer-related issues. Although each department may have specific recommendations, it appears that one piece of advice is suggested over and over again to protect sewers and avoid plumbing problems: Do not flush sanitary napkins down toilets. Danger of improper disposal Repeatedly, these websites indicate that sanitary napkins and disposable diapers are the two major causes for water line backups."Never put sanitary napkins down the toilet even if the labels indicate that you can do so. These were not meant to be disposed of in this manner and besides backing up lines,</p>	<p>KRAFT PAPER FROM AGRICULTURAL RESIDUE (BAGASSE/RICE HUSK/JUTE SLICK/WHEAT HUSK) [EIRI-1786]</p> <p>Paper form a commodity of prime importance to Day from the parts of view of mass communication, education, and industrial and economic growth. The art of paper making was first discovered in China in and around 2nd century. B.C. pan where it travelled slowly west ward and reached the prantiens of Europe. America followed in 1690. Agricultural residues, such as bagasse, rice husk, wheat husk jute sticks, grasses, etc are fast becoming popular materials for paper making. considerable attention is being given to the utilization of various agricultural by products for preparing pulp for paper manufacture landable efforts are being make in this direction.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>10 MT./Day</td></tr> <tr><td>Land & Building (1.5 Acres)</td><td>Rs. 3.91 Cr</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 5.80 Cr</td></tr> <tr><td>W.C. for 1 Month</td><td>Rs. 67 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 10.83 Cr</td></tr> <tr><td>Rate of Return</td><td>31%</td></tr> <tr><td>Break Even Point</td><td>60%</td></tr> </table>	Plant Capacity	10 MT./Day	Land & Building (1.5 Acres)	Rs. 3.91 Cr	Plant & Machinery	Rs. 5.80 Cr	W.C. for 1 Month	Rs. 67 Lacs	Total Capital Investment	Rs. 10.83 Cr	Rate of Return	31%	Break Even Point	60%	<p>EDIBLE OIL MANUFACTURING [EIRI-1789]</p> <p>Nigeria with a population of over 116 million is one of the most populous country in Africa. Nigeria is located in West Africa with total land area of 923,768 sq km. The agriculture sector employs 70% of its labor force and contributes more than 33% to the GDP. The main crops grown are cotton, cocoa, rubber, peanuts, oil palm, maize, rice, sorghum, millet, cassava, yams, timber and livestock. The agricultural sector in Nigeria, since 1970's has been characterized by declining productivity and increased dependence on import of food and raw materials.</p> <p>Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>200 Ton/Day</td></tr> <tr><td>Land & Building</td><td>US\$ 25.51 Lacs</td></tr> <tr><td>Plant & Machinery</td><td>US\$ 20.49 Lacs</td></tr> <tr><td>W.C. for 1 Month</td><td>US\$ 30.42 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>US\$ 78.07 Lacs</td></tr> <tr><td>Rate of Return</td><td>51%</td></tr> <tr><td>Break Even Point</td><td>33%</td></tr> </table>	Plant Capacity	200 Ton/Day	Land & Building	US\$ 25.51 Lacs	Plant & Machinery	US\$ 20.49 Lacs	W.C. for 1 Month	US\$ 30.42 Lacs	Total Capital Investment	US\$ 78.07 Lacs	Rate of Return	51%	Break Even Point	33%														
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FUSED SILICA [EIRI-1791]

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

Cost Estimation

Plant Capacity	150 MT./Day
Land & Building (24,000 sq.mt.)	Rs. 17.40 Cr
Plant & Machinery	Rs. 4.50 Cr
W.C. for 3 Months	Rs. 10.48 Cr
Total Capital Investment	Rs. 32.85 Cr
Rate of Return	30%
Break Even Point	54%

BEEDI (BIDI) MAKING BY MACHINE [EIRI-1792]

The beedi manufacturing is a traditional agro-forest based industry in India. It is highly labour intensive, predominantly unorganized and involves three major categories of workers: Forest based tribal workers who collect tendu/kendu leaves. Tobacco growing farmers, Beedi rolling home based workers, most of whom are women. Beedi rolling is done in almost all major states of India and it takes place mainly in the

home-based unorganized sector, with sub-contractors playing the main role for the principal beedi manufacturers. There are about 300 major manufacturers of branded beedis but there are thousands of small-scale manufacturers cum contractors who account for the bulk of the beedi production in India. Government estimates of the total number of beedi workers is about 4.5 million², majority of who are home based women workers. Trade unions claim that there could be about 7-8 million beedi workers in the country, especially if those engaged in beedi trade and the tendu leaf collection are also taken into account.

Cost Estimation

Plant Capacity	20,000 Bundles/Day
Land & Building (1000 sq.mt.)	Rs. 1.66 Cr.
Plant & Machinery	Rs. 45 Lacs
W.C. for 2 Months	Rs. 22 Lacs
Total Capital Investment	Rs. 2.39 Cr.
Rate of Return	25%
Break Even Point	60%

WOOD PLASTIC COMPOSITE PRODUCTS INCLUDING BOARDS [EIRI-1793]

Plastic and wood wastes have been a main environmental concern. Plastic is the biggest problem due to its high amount of waste generated, non biodegradability and the fastest depletion of natural resources regarding its short life cycle, therefore increased amount of material utilized in its production, and waste generated. The same applies to wood with lesser degree where it is depleting trees and forests and the wastes mainly are either burned or disposed; resulting in extra consumption, depletion, and pollution of nature. Wood plastic composite (WPC) is a product which could be obtained from plastic and wood. WPC is a composite with a rapid growing usage consisting of a mixture of wood waste and polymeric material. Many trials of obtaining a WPC product were basically built on the concept of a Cradle to Cradle approach where the material is recycled at the end of its life cycle to produce a Cradle (new) product and thus close the loop and imitate the natural ecosystem. As a consequence, this minimizes the solid waste content and conserve the natural resources. WPC has become currently an important address of research that gained popularity over the last decade especially with its properties and advantages that attracted researchers such as: high durability, Low maintenance, acceptable relative strength and stiffness, fewer prices relative to other competing materials, and the fact that it is a natural resource.

Cost Estimation

Plant Capacity	5000 sq.mt./Day
Land & Building (1500 sq.mt.)	Rs. 1.55 Cr.
Plant & Machinery	Rs. 1.41 Cr.
W.C. for 2 Months	Rs. 1.58 Cr.
Total Capital Investment	Rs. 4.88 Cr.
Rate of Return	91%
Break Even Point	33%

HDPE DOUBLE WALL CORRUGATED PIPES (40 MM TO 200 MM PIPE DIA) [EIRI-1794]

Double Wall Corrugated (DWC) HDPE pipes are similar to normal HDPE pipes except that they have different external & internal surfaces which gives them additional strength and stiffness. These are made with High Density Polyethylene which has very high life expectancy. These are externally corrugated and have smooth surface inside and are available from 75 mm to 1.0 m dia. These pipes are light weight and can be used for non-pressure underground sewerage, drainage & cross drainage (pipe culvert) including rain water harvesting purposes. They are maintenance free and therefore, once installed, will lie underground for years.

Cost Estimation

Plant Capacity	250 MT./Day
Land & Building (4000 sq.mt.)	Rs. 6.64 Cr.
Plant & Machinery	Rs. 1.60 Cr.
W.C. for 2 Months	Rs. 3.96 Cr.
Total Capital Investment	Rs. 12.61 Cr.
Rate of Return	19%
Break Even Point	60%

CEMENT BRICKS (HOLLOW) [EIRI-1796]

A concrete block is primarily used as a building material in the construction of walls. It is sometimes called a concrete masonry unit (CMU). A concrete block is one of several precast concrete products used in construction. The term precast refers to the fact that the blocks are formed and hardened before they are brought to the job site. Most concrete blocks have one or more hollow cavities, and their sides may be cast smooth or with a design. In use, concrete blocks are stacked one at a time and held together with fresh concrete mortar to form the desired length and height of the wall. Concrete mortar was used by the Romans as early as 200 B.C. to bind shaped stones together in the construction of buildings. During the reign of the Roman emperor Caligula, in 37-41 A.D., small blocks of precast concrete were used as a construction material in the region around present-day Naples, Italy. Much of the concrete technology developed by the Romans was lost after the fall of the Roman Empire in the fifth century. It was not until 1824 that the English stonemason Joseph Aspdin developed portland cement, which became one of the key components of modern concrete. These early blocks were usually cast by hand, and the average output was about 10 blocks per person per hour. Today, concrete block manufacturing is an automated process that can produce up to 2,000 blocks per hour.

Cost Estimation

Plant Capacity	1200 Nos./Day
Land & Building (4000 sq.mt.)	Rs. 2.55 Cr.
Plant & Machinery	Rs. 52 Lacs
W.C. for 3 Months	Rs. 37 Lacs
Total Capital Investment	Rs. 3.52 Cr.
Rate of Return	19%
Break Even Point	61%

Start Your Own Industry

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

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 chorgocycle to be impractical. There are numerous battery designs. The most widely used secondary battery is the lead acid type. This battery is available in many sizes and capacities, and the weight can vary from 100g to several tons, There on three principal categories. The material used for containers used depends on the application e.g. polypropylene and vulcanized rubber for automotive batteries, polystyrene for stationary batteries, polycarbonate for a large single cell.

Cost Estimation

Plant Capacity	200 Nos./Day
Land & Building (1000 sq.mt.)	Rs. 1.02 Cr.
Plant & Machinery	Rs. 93 Lacs
W.C. for 2 Months	Rs. 5.47 Cr.
Total Capital Investment	Rs. 7.62 Cr.
Rate of Return	49%
Break Even Point	39%

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 (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 must be met from new mine production.

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 (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%

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

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

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Start Your Own Industry

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Dated Sudhir Kumar Gupta

Publisher Signature of

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%. Technical textiles application cycle is shown in the figure 1, it gives a vivid picture on the divisions of the technical textiles, which is a self-explanatory.

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. The Industries of this type in SSI or medium scale have a wide spread immediate and future uses and applications which can at certain occasions reduce to some extent but can not be eliminated come what may plastics are certainly trying every best to replaced steel strips/sheets and of course, have succeeded in certain Areas to be considered a substitute but it has always been from just a few counted angles. If it is looked upon in every details it will be found that steels have substitute in wider senses so far.

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. Individual growers are also contributing to fast growth of rubber cultivation in this region.

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%

CP BATH FITTINGS

This project proposes to manufacture chrome plated sanitary fittings eg., Bib cocks, Pillar cocks, stop cocks, Bottle trap, Basin waste, Basin mixer, Angular stop cock, showers, Introducer, and ceramic Disc with Quarter-turn fittings in single lever, etc. These are products of ordinary to sophisticated types. The Govt. of India has reserved this project for SSI Units in order to protect entrepreneurs from competition with large scale manufacturers. All the plant and machinery required for the project are indigenously available. These products are used as fittings in any Sanitary system. There is a large demand of chrome-plated bathroom fittings in all modern houses, offices, Hotels, Railway Stations, Aerodromes & so on all over India.

Cost Estimation

Plant Capacity	1667 Nos./Day
Land & Building (1012 sq.mt.)	Rs. 1.02 Cr.
Plant & Machinery	Rs. 28 Lacs
Total Capital Investment	Rs. 1.92 Cr.
Rate of Return	45%
Break Even Point	48%

STEEL TRANSMISSION LINE TOWER AND ROLLING MILL TO PRODUCE STEEL SECTIONS

The transmission line towers are comparatively light structures and the maximum wind pressure is the main criterion for their design. The concurrence of earth quake & intensified wind pressures may also be considered in the earth quake - prone areas for design of the overhead transmission line towers. These towers are fabricated by means of bolted joints only. The structural steels of well specified quality only are used in construction of transmission line towers to ensure the permissible stresses and other design details. Practices followed in material selection, design, fabrication, testing and must suit the field conditions of this country. Various design considerations are adopted in the design of self-supporting steel lattice towers for overhead transmission lines, including loads, combination of loads, permissible stresses, wind pressures likely to be experienced during service and atmospheric corrosion intensity.

Cost Estimation (All Fig. in Lacs Rupees)

Plant Capacity	500 MT./Day
Land & Building (5 Acres)	Rs. 434 Lacs
Plant & Machinery	Rs. 1,098 Lacs
W.C. for 2 Months	Rs. 11,183 Lacs
Total Capital Investment	Rs. 12,939 Lacs
Rate of Return	79%
Break Even Point	21%

Patrons, deposit amount in EIRI Account
STATE BANK OF INDIA CA-3040853340
 (RTGS/NEFT/IFSC Code: SBIN001273)

Top Industries to Start

<p align="center">FERRO SILICON (FROM MINERAL INGREDIENTS)</p> <p>Ferro alloys are used in making alloy steels and castings of different special types as addition agents. Ferro alloys are usually made in electric-arc furnaces. Alloy steel have often greater limitations on tramp element concentrations than plain carbon steels. Municipal ferrous scraps is largely used as part of the furnace charge to produce ferro alloys. Incinerated scrap is preferred because all of the consuminats are eleminiated though this source leaves a significant proportion of tin & copper impurities, yes due to the fact that ferro alloy is typically only a small addition to the final steel, the dilution of impurities, contained in the ferro alloy, results in acceptable concentrations. In steel making, various elements are added to the molten metal to effect various properties, eg. deoxidasion grain controly improvement of mechanical/thermal/corrosion properties etc. Chemicals added into steels in the bath consists of iron and the elements intended to be incorporated, hence called ferroalloys. These ferro alloys are produced in electric & many other types of furnaces. A number of ferro alloys produced today contain very little of iron. Ferro alloys are, thus, a special class of addition agents.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>200 MT./Day</td></tr> <tr><td>Land & Building (1,00,000 sq.mt.)</td><td>Rs. 1.99 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 6.62 Cr.</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 68.71 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 78.21 Cr.</td></tr> <tr><td>Rate of Return</td><td>71%</td></tr> <tr><td>Break Even Point</td><td>70%</td></tr> </table>	Plant Capacity	200 MT./Day	Land & Building (1,00,000 sq.mt.)	Rs. 1.99 Cr.	Plant & Machinery	Rs. 6.62 Cr.	W.C. for 2 Months	Rs. 68.71 Cr.	Total Capital Investment	Rs. 78.21 Cr.	Rate of Return	71%	Break Even Point	70%	<p align="center">PEPPERMINT CULTIVATION & PROCESSING</p> <p>Consists of menthol (not less than 50%) extens of menthol pinene, limonene, cineole, menthone etc. It is derived by distilling the leaves and flavoring tops of the peppermint plant. The commercial cultivation of the plants known as peppermint and spearmint, members of the genus Mentha and the extraction, processing and shipment of their oils, includind menthol crystals, constitute an industry involving over \$100 million in transaction each year. The mint plsnets are perennials yeilding aromatic oils which are increasingly importance and have indeed long been amongst the world's most valuable flavouring materials. Mint is probably the world's third most important flavour, being exceeded in popularity only by vanilla and citrus flavours. The oils obtained by the relatively simple process of steam distillation, belong to a chemical class of plant products variably referred to as essential, volatile or ethereal oils, whose chemical composition consists almost entirely of hydrocarbon and oxygenated compounds known as terpenoids.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Capacity</td><td>Peppermint oil 37,500 kg/Annum</td></tr> <tr><td></td><td>Cultivated Herb 1500 Ton/Annum</td></tr> <tr><td></td><td>Menthol crystals 30,000 Kgs/Annum</td></tr> <tr><td></td><td>De Mentholized Oil 27,000 Kgs/Annum</td></tr> <tr><td></td><td>Oil extracted Herb used as cattle feed</td></tr> <tr><td></td><td>2700 MT/Annum</td></tr> <tr><td>Land & Building (150 Acres)</td><td>Rs. 20.40 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 2.31 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 23.45 Cr.</td></tr> <tr><td>Rate of Return</td><td>18%</td></tr> </table>	Capacity	Peppermint oil 37,500 kg/Annum		Cultivated Herb 1500 Ton/Annum		Menthol crystals 30,000 Kgs/Annum		De Mentholized Oil 27,000 Kgs/Annum		Oil extracted Herb used as cattle feed		2700 MT/Annum	Land & Building (150 Acres)	Rs. 20.40 Cr.	Plant & Machinery	Rs. 2.31 Cr.	Total Capital Investment	Rs. 23.45 Cr.	Rate of Return	18%	<p align="center">RECLAMATION OF USED ENGINE OIL (BY CLAY AND VACUUM DISTILLATION PROCESS)</p> <p>Now-a-days engine oil has become an important factor for automobile and other purposes and since the prices of all petroleum products have gone up. It has become extremely necessary to refine used engine oil which could be reused as original. Keeping this view Defence Research (Materials), Kanpur has developed a very simple process which envisages utilization of sulphuric acid, activated clay and filter aid as the raw materials and the suggested reclaimed economical unit for this industry is 200 tons per annum. Engine oil becomes contaminated with foreign material in service. In circulating systems, where a substantial quantity of oil is involved, it is desirable to maintain it as clean as possible to provide maximum working efficiency and to keep wear and damage of lubricated parts to a minimum.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>4 KLS/Day</td></tr> <tr><td>Land & Building (2000 sq.mt.)</td><td>Rs. 1.56 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 4.46 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 2.72 Cr.</td></tr> <tr><td>Rate of Return</td><td>24%</td></tr> <tr><td>Break Even Point</td><td>59%</td></tr> </table>	Plant Capacity	4 KLS/Day	Land & Building (2000 sq.mt.)	Rs. 1.56 Cr.	Plant & Machinery	Rs. 4.46 Lacs	Total Capital Investment	Rs. 2.72 Cr.	Rate of Return	24%	Break Even Point	59%
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<p align="center">CATIONIC SOFTENER (STEARIC ACID BASED)</p> <p>Softening agents are surface active agents with a long hydrophobic chain and a shorter hydrophilic water-solubilizing group. The former determines the softening character and generally differs in properties from those of detergents. The type of ionic charge on a softening agent exerts a great influence on its orientation on textile material. Softening of textile materials was probably carried out in prehistoric times and has continued till today. Most of the Softening agents are derived from straight chain fatty radicals containing 12 to 18 carbon atoms. In textile finishing articles, the past decade can be considered "the age of the acrylics" and the era of the multipurpose finish. Numerous polymers farmed from acrylic monomers have been specially 'Tailored' to meet the finisher exacting requirements. Multipurpose finished have been big property-wise & economy wise.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>5 Tons/Day</td></tr> <tr><td>Land & Building (5000 sq.mt.)</td><td>Rs. 5.19 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 82 Lacs</td></tr> <tr><td>W.C. for 3 Months</td><td>Rs. 2.97 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 9.50 Cr.</td></tr> <tr><td>Rate of Return</td><td>46%</td></tr> <tr><td>Break Even Point</td><td>37%</td></tr> </table>	Plant Capacity	5 Tons/Day	Land & Building (5000 sq.mt.)	Rs. 5.19 Cr.	Plant & Machinery	Rs. 82 Lacs	W.C. for 3 Months	Rs. 2.97 Cr.	Total Capital Investment	Rs. 9.50 Cr.	Rate of Return	46%	Break Even Point	37%	<p align="center">SILICON FROM RICE HUSK</p> <p>Rice husk is a by product of agriculture a by-product while is almost treated like waste and not seriously bothered about Consider, India's case every year about 60 million tonnes of paddy grown in the country produces upto 12 million tons of rice husk in over 900,000 rice mills spread around the country. Though, most of it is used as either a heating medium or as an animal feed. The strange fact is that 12 million tons of rice husk can have a heat value equivalent to around 20 million barrels of oil. To be more precise 3 kgs. of rice husk are equivalent to one litre of oil or 1.5 kilos of coal in heat content. Rice husk basically consists of a mixture of moisture Carbon, Volatiles, Ash and silica in ash. Its net heating value is between 3010 and 3340 kilo calories per Kg more over rice husk has low in cineration properties because of its silica content, modular shape and its light weight. In general, furnace rice husk produces heat of 65% efficiency and in special type vertical furnace it will produce heat of 95% efficiency.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>5 Tons/Day</td></tr> <tr><td>Land & Building (3000 sq.mt.)</td><td>OWNED</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 60 Lacs</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 2.55 Cr.</td></tr> <tr><td>Rate of Return</td><td>63%</td></tr> <tr><td>Break Even Point</td><td>34%</td></tr> </table>	Plant Capacity	5 Tons/Day	Land & Building (3000 sq.mt.)	OWNED	Plant & Machinery	Rs. 60 Lacs	Total Capital Investment	Rs. 2.55 Cr.	Rate of Return	63%	Break Even Point	34%	<p align="center">HDPE PIPES (1 INCH TO 24 INCH OD)</p> <p>Provision of drinking water supply, or in other words 'piped' water supply to urban and rural population, constitutes an important aspect of developmental programmes in many countries. Among several materials for pipes and fittings, plastics, though of recent origin, have offered vast potentialities both economical and technical, for exploitation by the engineers, architects and builders of the plastic materials, polyethylene (low and high density) and unplastic. These HDPE pipes and fittings have a high degree of corrosion a high degree of corrosion resitance, are light in weight. Yet tough and durable, have excellent, hydraulic properties, excellent thermal properties, weatherability. As such law & high density pipes are various fields viz. agriculture industry. With their many advantages over conventional materials, plastics have revolutionized modern engineering, unlike steel and copper, plastic materials do not corrode, are much lighter and cost less.</p> <p align="center">Cost Estimation</p> <table border="0"> <tr><td>Plant Capacity</td><td>10 MT./Day</td></tr> <tr><td>Land & Building (2 Acres)</td><td>Rs. 5.15 Cr.</td></tr> <tr><td>Plant & Machinery</td><td>Rs. 4.21 Cr.</td></tr> <tr><td>W.C. for 2 Months</td><td>Rs. 4.45 Cr.</td></tr> <tr><td>Total Capital Investment</td><td>Rs. 14.15 Cr.</td></tr> <tr><td>Rate of Return</td><td>37%</td></tr> <tr><td>Break Even Point</td><td>47%</td></tr> </table> <p align="center">Patrons, deposit amount in EIRI Account ICICI BANK LTD. CA-038705000994 (RTGS/NEFT/FSC Code: ICIC0000387)</p>	Plant Capacity	10 MT./Day	Land & Building (2 Acres)	Rs. 5.15 Cr.	Plant & Machinery	Rs. 4.21 Cr.	W.C. for 2 Months	Rs. 4.45 Cr.	Total Capital Investment	Rs. 14.15 Cr.	Rate of Return	37%	Break Even Point	47%						
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Best Industries to Start and Grow

N-ACETYL THIOZOLIDINE-4-CARBOXYLIC ACID (NATCA)

N-Acetyl Thiozolidine-4-Carboxylic Acid (NATCA) is a versatile chemical, used in agriculture as a plant growth substance used as a fruit setter, bio stimulant germination enhancer. The use of plant growth substance may be caused of the most important quantitative yield yet achieved in agriculture. The principal aim of the agro chemical industry has been to provide chemicals that controls the competition to the crop. Plant growth substance on regulators are used to modify the crop by changing the rate or pattern or both, of its response to the internal and external factor, that govern all stages of crop development from germination through vegetable growth, reproductive development maturity and senescence or aging as well as postharvest preservation.

Cost Estimation

Plant Capacity	700 KGS/Day
Land & Building (3000 sq.mt.)	Rs. 3.37 Cr.
Plant & Machinery	Rs. 36 Lacs
W.C. for 2 Months	Rs. 38 Lacs
Total Capital Investment	Rs. 4.38 Cr.
Rate of Return	24%
Break Even Point	52%

PRODUCTION OF ALL TYPES OF FANS SUCH AS AXIAL FANS, CENTRIFUGAL FANS (SMOKE EXTRACT FANS & FRESH AIR SUPPLY FANS), BATH ROOM FANS ETC.

Fans and blowers provide air for ventilation and industrial process requirements. Fans generate a pressure to move air (or gases) against a resistance caused by ducts, dampers, or other components in a fan system. The fan rotor receives energy from a rotating shaft and transmits it to the air. Difference between Fans, Blowers and Compressors Fans, blowers and compressors are differentiated by the method used to move the air, and by the system pressure they must operate against.

Cost Estimation

Plant Capacity	40 Nos./Day
Land & Building	US\$ 20 Lacs
Plant & Machinery	US\$ 4.65 Lacs
Total Capital Investment	US\$ 34.59 Cr.
Rate of Return	85%
Break Even Point	35%

READY MADE GARMENTS (T-SHIRT/POLO GOLFERS/WOVEN SHIRTING & SUITING FOR UNIFORMS) AND SWEATERS MANUFACTURING

Readymade garment industry has occupied a unique place in the industrial scenario of our country by generating substantial export earnings and creating lot of employment. Its contribution to industrial production, employment and export earnings is very significant. This industry provides one of the

basic necessities of life. The employment provided by it is a source of livelihood for millions of people. It also provides maximum employment with minimum capital investment. Since this industry is highly labour-intensive, it is ideally suited to Indian condition. Readymade garments manufactured in India are well received across the overseas market and India has emerged as a preferred sourcing destination. India's including Readymade garments.

Cost Estimation

Plant Capacity	4830 Nos./Day
Land & Building (8000 sq.mt.)	US\$ 10.01 Lacs
Plant & Machinery	US\$ 12.57 Lacs
W.C. for 2 Months	US\$ 12.82 Lacs
Total Capital Investment	US\$ 37.11 Lacs
Rate of Return	70%
Break Even Point	34%

PE BASED CARBON BLACK COMPOUNDS

Carbon Black is an important constituent in polyethylene compounds used in the manufacture of pressure pipes for the distribution of potable water and gas. The use of specialty P-Type carbon blacks provides for the most cost effective means of achieving the necessary level of UV stabilization without compromising the ultimate performance requirements of these pressure pipes. The Star Diagram is a visual and useful means of comparing differing types of carbon black for their relative suitability for use in pressure pipe applications.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (5000 sq.mt.)	US\$ 13.20 Lacs
Plant & Machinery	US\$ 1.72 Lacs
W.C. for 2 Months	US\$ 7.84 Lacs
Total Capital Investment	US\$ 23.66 Lacs
Rate of Return	57%
Break Even Point	34%

ACTIVATED CARBON FROM RICE HUSK

The term Activated carbon, active carbon, or active charcoal is usually applied to amorphous carbons possessing higher absorption capacities than wood or animal charcoal. Many processes were developed during world war for the production of effective absorbents for use in gas masks. Industrial activated carbons in the form of pellets, granules or fine powders, and with many industrial applications, are now available in the market under different trade names. Commercial absorbent carbons may be grouped into decolorizing, gas absorbent, metal absorbent, and medicinal carbons according to their physical structure, properties, and applications.

Cost Estimation

Plant Capacity	2 Ton./Day
Land & Building (2000 sq.mt.)	Rs. 1.78 Cr.
Plant & Machinery	Rs. 41 Lacs
Total Capital Investment	Rs. 2.95 Cr.
Rate of Return	28%
Break Even Point	52%

Hi-Tech Projects

(Date of Posting 24th to 30th of Every Month,

Weight of Magazine- Upto 48 Gram)

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

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Ankur Gupta

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Start Your Own Industry

ONION DEHYDRATION

Dehydrated vegetables are being increasingly used as they retain their culinary quality and palatability and bring about economy in storage space and transport cost. Besides, there is optimum utilization of the product during the glut season, and saving of packaging material and tinplate. Dehydrated onion is used extensively in overseas countries as a condiment. Efforts are also being made for export of dehydrated onions, which is being produced by several manufacturers. This standard is intended to help in the quality control of dehydrated Onion. Dehydrated Onions have been produced in small quantities since the nineteenth century is dehydrated onions were supplied to British naval expeditions in the mid-nineteenth century and dehydrated onions have been produced in sizable quantities during subsequent wars, primarily for consumption by armed forces, but also for civilian use.

Cost Estimation

Plant Capacity	5 Ton./Day
Land & Building (3000 sq.mt.)	Rs. 3.67 Cr.
Plant & Machinery	Rs. 1.11 Cr.
W.C. for 2 Months	Rs. 3.09 Cr.
Total Capital Investment	Rs. 8.42 Cr.
Rate of Return	33%
Break Even Point	47%

STONE MINING

The quarry is the type of open pit mine, the rock or minerals are extracted from the quarry. For extracting building materials such as dimension stone, construction aggregate, riprap, sand and gravel; quarries are generally used. For the requirements for large amounts of aggregate in those materials, they are collocated with concrete and asphalt. The process of splitting the stones into usable shapes and different sizes for the process of building is known as stone quarrying. Stones from quarries have been used in all types of stone creations, and they are used in the process of constructions ranging from federal offices to farm foundations. In United States, stones quarries are classified into four major categories, they are boulder quarries, surface ledge quarries, commercial deep pit quarries, and subterranean quarries.

Cost Estimation

Plant Capacity	2400 Tons/Day
Land & Building	LEASE
Plant & Machinery	Rs. 5.10 Cr.
Total Capital Investment	Rs. 8.02 Cr.
Rate of Return	81%
Break Even Point	35%

H.T. & L.T. INSULATOR, HT AIR BRAKE SWITCHES D.O. FUSE, LIGHTNING ARRESTERS

Materials having few free electrons poor conductors In fact, materials that have hardly any free electrons can be used to insulate electricity and are called insulators, as glass, mica, porcelain, rubber & paper. The function of an insulator is to insulate the line conductor from each other and from the pole or tower.

Three colours of insulator are used in overhead lines, namely, The pin insulator gets its name from the fact that it is supported on a pin. The pin holds the insulator, and the insulator has the conductor tied on it. Pin insulators are made of either glass or porcelain. The glass insulator is always one solid piece of glass, that is it is one piece insulator. The porcelain insulator is also a one piece insulator when used on low voltage lines but consists of two, three or four layers, cemented together to form a rigid unit when used on higher voltage line. It is usually one piece for voltage below 23,000 volts. The use of several layers for high voltage line helps to spill the rain and provide a long, dry arc-over path. Pin insulator are seldom used on transmission lines having voltage above 4400 volts, although some 88000 volts, lines using pin insulators are in operation today.

Cost Estimation

Capacity	2 Ton/Day (HT/LT Insulator)
500 Nos/Day (HT Air Brake Switch & DO Fuse)	100 Nos/Day (Lightening Arrestor)
Land & Building (6000 sq.mt.)	Rs. 7.60 Cr.
Plant & Machinery	Rs. 1.12 Cr.
W.C. for 3 Months	Rs. 1.45 Cr.
Total Capital Investment	Rs. 10.32 Cr.
Rate of Return	30%
Break Even Point	44%

BIO -DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA

The depleting sources of fossil fuel, ever increasing crude oil prices, increasing energy demand and global environmental concern are driving the world to look for alternative fuel. Bio-fuels, renewable liquid fuel extracted from biological raw material, have proved to be a good substitute for oil. 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.

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%

PVC PIPES AND FITTING

PVC pipe which is made from polymerized vinyl chloride, a synthetic resin, which when plasticized or softened with other chemicals has some rubber-like properties. Derived from acetylene and anhydrous hydrochloric acid. PVC pipe has nominal sizes that are to be used with PVC socket fittings (schedule 40) and PVC socket or threaded fittings (schedule 80). PVC

Pipe and Fittings have got tremendous demand in India as well as in abroad. To manufacture this, all the machinery and raw materials are available indigenously. A polyvinyl chloride (PVC) pipe is made from a plastic and vinyl combination material. The pipes are durable, hard to damage, and long lasting. A PVC pipe does not rust, rot, or wear over time. For that reason, PVC piping is most commonly used in water systems, underground wiring, and sewer lines.

Cost Estimation

Plant Capacity	10 MT./Day
Land & Building (10,000 sq.mt.)	Rs. 14.17 Cr.
Plant & Machinery	Rs. 1.77 Cr.
W.C. for 2 Months	Rs. 4.56 Cr.
Total Capital Investment	Rs. 20.95 Cr.
Rate of Return	13%
Break Even Point	64%

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

While PET bottle development was proceeding in the US, a large manufacturer of injection moulding machines in Japan, was leading a project to develop a machine to make biaxially oriented PP (polypropylene) containers. They recognized that the prototype machine could be used to produce the new PET bottles and, in December 1975, the One-stage ASB-150 injection stretch blow moulding machine for making the new biaxial oriented PET bottles was unveiled. All one-stage injection stretch blow moulding machines derived from this original Stretch Blow design are referred to as classic one-stage machines, as the concept has long since been extended into other PET developments.

Cost Estimation

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

HDPE PIPES & PIPE FITTINGS

Provision of drinking water supply, or in other words 'piped' water supply to urban and rural population, constitutes an important aspect of developmental programmes in many countries. A whole range of sanitary fittings and fixtures viz, taps, showers, gratings, basin and sink wastes, waste traps, float balls and valves, syphons for flushing systems, are also currently available in the market.

Cost Estimation

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

Best Industries to Start and Grow

FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN

This document is developed to provide the entrepreneur with potential investment opportunity in setting up and operating a medium sized fast food restaurant offering a variety of food items to the general public. This pre-feasibility gives an insight into various aspects of planning, setting up and operating a fast food restaurant for the general populace. The document is designed to provide relevant details (including technical) to facilitate the entrepreneur in making the decision by providing various technological as well as business alternatives. The document also allows flexibility to change various project parameters to suit the needs of the entrepreneur. 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.

Cost Estimation

Land & Building	RENTED
Plant & Machinery	Rs. 1.25 Cr.
W.C. for 1 Months	Rs. 21 Lacs
Total Capital Investment	Rs. 1.49 Cr.
Rate of Return	33%
Break Even Point	68%

GLASS REINFORCED GYPSUM MOULDING

The usual construction methods are now giving way to more specialized and efficient materials and techniques for construction. Constant innovation has helped the sector to come out with new techniques that help in quick and easy realization of projects. Prefabricated construction is not new, but it has suddenly gained importance seeing the demand for housing and infrastructure rising. With the conventional methods of construction using brick and mortar time consuming and not efficient, prefab construction proves to be a better and efficient alternative. Prefabricated structures are useful for sites where normal construction is not suitable like hilly regions, flyover sites, and even commercial buildings.

Cost Estimation

Plant Capacity	15 MT./Day
Land & Building (20000 sq.mt.)	US\$ 45.52 Lacs
Plant & Machinery	US\$ 66.46 Lacs
W.C. for 3 Months	US\$ 10.40 Lacs
Total Capital Investment	US\$ 1.23 Cr.
Rate of Return	31%
Break Even Point	50%

QUARTZ BASED INDUSTRIES (QUARTZ POWDER, SILICA SAND, SILICA RAMMING MASS & FUSED SILICA)

Silica. The most common occurrence of silica (qv) is in the form of quartz. Other forms which are found in nature are tridymite, cristobalite, vitreous silica, cryptocrystalline forms (usually as pebbles in chalk), hydrated silica, and

diatomite. The principal sources of silica used in the ceramic industry are the sandstones, quartzites, and sands. Quartzites, often called ganister, are firmly consolidated sandstones, whereas sandstones are rather lightly bonded quartz grains or sands. Silica is the primary ingredient in glass and is usually obtained from high purity sandstones or quartzites by crushing and grinding, or from high-grade sand deposits. The term glass sand may refer to a deposit of sand or, more commonly it is used to refer to the sand after it has been beneficiated from sandstones, quartzites, or natural sands.

Cost Estimation

Plant Capacity	40 MT./Day
Land & Building (8000 sq.mt.)	Rs. 4.44 Cr.
Plant & Machinery	Rs. 2.25 Cr.
W.C. for 3 Months	Rs. 1.61 Cr.
Total Capital Investment	Rs. 8.64 Cr.
Rate of Return	26%
Break Even Point	59%

ANHYDROUS SODIUM DITHIONITE PRODUCTION

Sodium Hydrosulfite, also known as Sodium Dithionite had been developed at the beginning of the 20th century and was first applied for textile printing. Due to structural change in the textile industry, the importance of the application for the bleaching of wood pulp in the paper industry increased continuously. Sodium Hydrosulfite is a white powder. Commercial sodium hydrosulfite contains 85% -90% sodium dithionite w/w. It is readily soluble in water and shows powerful reducing action in aqueous solutions. Sodium hydrosulfite is used as a reducing agent in dyeing application. It undergoes reduction reaction with water-insoluble vat dye and sulfur dye to form water-soluble alkali metal salt of the dye so that they have affinity for the textile fiber.

Cost Estimation

Plant Capacity	20 MT./Day
Land & Building (Area 1.5 Acres)	US\$ 6.02 Lacs
Plant & Machinery	US\$ 28 Th.
W.C. for 2 Months	US\$ 7.22 Lacs
Total Capital Investment	US\$ 14.34 Lacs
Rate of Return	48%
Break Even Point	49%

MAHINDRA CAR DEALERSHIP WITH AUTOMOBILE SERVICE STATION/GARAGE

A Car dealership is a business that sales new or used cars at the retail level based on dealership contact with Auto maker. It employs automobiles sales people to sell their automobile vehicle. It may also provide maintenance service for car sand employs automobiles technicians to stock and sells spare automobile parts and process warranty claims. Mahindra & Mahindra (M&M) was established in 1945 as Mahindra & Mohammed. Later on, after the partition of India, one of the partners - Ghulam Mohammad - returned to Pakistan, where he became Finance Minister. As a result, the company was renamed to Mahindra &

Mahindra in 1948. M&M started its operation as a manufacturer of general-purpose utility vehicles. It assembled CKD jeeps in 1949. Over the passing years, the company expanded its business and started manufacturing light commercial vehicles (LCVs) and agricultural tractors. Apart from agricultural tractors and LCVs, Mahindra & Mahindra also showed its dexterity in manufacturing army vehicles.

Cost Estimation

Plant Capacity	3240 Cars/Annum
Land & Building (Area 4000 sq.mt.)	Rs. 2.63 Cr.
Plant & Machinery	Rs. 35 Lacs
W.C. for 1 Months	Rs. 22.15 Cr.
Total Capital Investment	Rs. 25.60 Cr.
Rate of Return	58%
Break Even Point	31%

AUTO FILTERS (AIR FILTERS, OIL FILTERS & FUEL FILTERS)

Air filters and filtration equipment are ubiquitous equipment used in diverse industries and fields, given the universal need to maintain particulate cleanliness to ensure efficient functioning of equipment/machinery and the growing pressure to improve urban and indoor air quality. From residential, commercial to industrial sectors, these equipments are widely used to filter and remove atmospheric particulate matter. In clean air applications, the growing media clamor over deteriorating indoor air quality, increasing incidences of allergic respiratory disorders and growing threat of airborne infectious diseases., is triggering increased demand for air filtration and air cleaning devices.

Cost Estimation

Plant Capacity	900 Nos./Day
Land & Building (Area 2000 sq.mt.)	Rs. 1.66 Cr.
Plant & Machinery	Rs. 73 Lacs
Total Capital Investment	Rs. 3.83 Cr.
Rate of Return	27%
Break Even Point	67%

ABSORBENT COTTON & SURGICAL BANDAGES (EQU)

Absorbent Cotton also known as Surgical Cotton or Cotton Wool is mainly used for medical purposes in hospitals, nursing homes, dispensaries etc.,. Because of high fluid absorbency power, it is better known as absorbent cotton. The absorbent cotton should be chemically inert and soft to give maximum protection and should not cause irritation. These properties can be achieved by manufacturing the product as per standard method of manufacture.

Cost Estimation

Plant Capacity	3 MT./Day
Land & Building (Area 5000 sq.mt.)	Rs. 5.19 Cr.
Plant & Machinery	Rs. 2.03 Cr.
W.C. for 1 Months	Rs. 66 Lacs
Total Capital Investment	Rs. 8.25 Cr.
Rate of Return	32%
Break Even Point	50%

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

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

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

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

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

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

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- * 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
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- * 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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BILLET CASTING WITH INDUCTION FURNACE FROM STEEL SCRAP & SPONGE IRON * PROCESSING OF LOW GRADE TUNGSTEN ORE FULL BODY & CHASSISS BUS PLANT * ASSEMBLY OF AIR – CONDITIONER/CHEST FREEZER/REFRIGERATOR * G.I.LADDER & PERFORATED TRAYS * ALUMINIUM DOORS & WINDOWS (ALUMINIUM FABRICATION) * LEAF SPRINGS FOR TRACTOR DRAWN TROLLEYS & FOUR WHEELER TEMPOS * STEEL BRIGHT BARS * AUTOMOTIVE ENGINE VALVE * AUTOMOTIVE BRAKING SYSTEM * DISPLAY COOLER * ERW STEEL PIPES & TUBES * STEEL INGOTS * TMT STEEL BARS (SARIYA) * AUTOMOBILE TRACTORS * ACTIVATED ALUMINA BALLS * ALUMINIUM FOIL * STONWARE PIPE (S.W.PIPE)/ CLAY PIPE * IRON ORE PELLETIZATION * ELECTRIC CONTROL PANEL * SOLAR PV POWER PLANT * MACHINE SHOP (FOR OIL AND GAS ENGINEERING INDUSTRY, AEROSCAPE ENGINEERING INDUSTRY) * STEEL BRIGHT BARS * CEILING FAN * COPPER STRIP COILS FROM SCRAPS * PRODUCTION OF PV PANELS (SOLAR PV PANELS) * ROTARY AIR LOCKS, SCREW CONVEYOR, MOTORIZED/ PNEUMATIC DAMPER, FLAP VALVES, AIR SLIDES REQUIRED IN CEMENT PLANTS AND THERMAL POWER PLANT * ALUMINIUM EXTRUSION 	<ul style="list-style-type: none"> * ALUMINIUM COIL COATING FOR ACP AND ROOFING IND. * PAVING BLOCK * WIRE NAILS * TMT STEEL BARS * FASTENERS/NUT & BOLTS (INDUSTRIAL & AUTOMOBILE) * HYDRAULIC CYLINDERS * DISPOSABLE SYRINGES WITH NEEDLE PLANT * FABRICATION UNIT (PRESSURE VESSEL, REACTOR VESSEL & AGITATORS, HEAT EXCHANGERS) & SEAMLESS PIPES AND TUBES * COPPER POWDER FROM COPPER SCRAP * STONE CRUSHER * PRODUCTION OF ALL TYPES OF FANS SUCH AS AXIAL FANS, CENTRIFUGAL FANS (SMOKE EXTRACT FANS & FRESH AIR SUPPLY FANS), BATHROOM FANSETC. * STONE MINING * MAHINDRA CAR DEALERSHIP WITH AUTOMOBILE SERVICE STATION/GARAGE * AUTO FILTERS (AIR FILTERS, OIL FILTERS & FUEL FILTERS) * AAC & ACSR ALUMINIUM CONDUCTORS * MANGANESE ORE JIGGING * STEEL TRANSMISSION LINE TOWERS AND ROLLING MILL TO PRODUCE STEEL SECTIONS * FERRO SILICON (FROM MINERAL INGREDIENTS) STAINLESS STEEL TUBES * M.S.FASTENERS AND S.S. FASTENERS * PREFABRICATED STEEL FRAMED BUILDING MANUFACTURING PLANT * LEAD ACID BATTERY * GALVANISED WIRE * POWER TRANSFORMER (50 KVA TO 2000 KVA) * M.S. PIPE * GALVANISED IRON SHEETS * M.S.BILLETS * STEEL GRATING (GALVANISING ELECTRO FORGED STEEL GRATING) * ALLOY WHEELS PLANT * ESTABLISHMENT OF MANUFACTURING OF REFRIGERATING APPLIANCE * WELDED WIRE MESH * ALUMINIUM COLD ROLLING MILL FOR SHEETS & CIRCLES * ALUMINIUM ROLLING MILL FOR MANUFACTURING ALUMINIUM CIRCLES 	<ul style="list-style-type: none"> REQUIRED FOR PRESSURE COOKERS, NON STICK COOKWARES & CIRCLES * LPG CYLINDER * ALUMINIUM COMPOSITE PANNELS * DEEP FREEZER * ENVIRONMENTAL CLEARANCE FOR EXPANSION OF INGOTS/ BILLETS PLANT * FERRO SILICON BY SMELTING PROCESS * ALUMINIUM CONDUCTOR * PRESTRESSED CONCRETE POLES * FASTENERS (NUT & BOLT) USED IN OIL AND GAS * ALUMINIUM ALLOY PLANT * STAINLESS STEEL SINKS * ALUMINIUM ALLOY PLANT * P.V.C BATTERYSEPARATOR * AUTOMOTIVE TYRE AND TUBE VALVES (VALVES MANUFACTURING) * PRESSURE COOKWARE ALUMINIUM, STAINLESS STEEL & HARD ANODIZED * ELECTRIC WATER HEATER * SOLAR WATER HEATER DOMESTIC & INDUSTRIAL * CORRUGATED COLOURED ROOFING GALVANISED IRON SHEET * PRESSURE DIE CASTING * G.I.WIRE AND BARBED WIRE * G.I.WIRE & M.S. BINDING WIRE * HOT DIP GALVANIZING PLANT FOR STRUCTURAL STEEL AND PIPES * COLD ROLLING MILL * DOOR HINGES (MILD STEEL AND STAINLESS STEEL) * PRESSURIZED AEROSOLS (LIKE BODY SPRAYS, PERFUMES, SHAVING FOAM AND SHAVING LOTIONS ETC.) * ANHYDROUS SODIUM DITHIONITE PRODUCTION (SODIUM FORMATE PROCESS) * SODA ASH PLANT (FROM SOLUTION BRINE) * SISAL FIBRE REINFORCED * CEMENT ROOFING SHEET * HIGH ALUMINA REFRACTORY BRICK PLANT * CATHETERS MANUFACTURING * SURGICAL RUBBER DISPOSABLE GOODS 	<ul style="list-style-type: none"> * POULTRY AND HATHERY FARMING * MILK PROCESSING PLANT * ROASTED, SALTED ALMONDS, PEANUTS FOR PACKING IN 25g, 50g, 250g & 500g SACHET-S * BEER FROM POTATOES * GUAR GUM POWDER * AUTOMATIC WHITE BREAD MAKING PLANT * AUTOMATIC BISCUIT MAKING PLANT * FROZEN FOOD BY IOF TECHNOLOGY * WALNUT PROCESSING PLANT * WHIPPING CREAM FRUITS & VEGETABLES POWDER UNIT (EXPORTS ORIENTED UNIT) * NATURAL MEDICINE & RESEARCH INSTITUTE WITH 150 BEDS HOSPITAL * PACKAGED DRINKING WATER (PACKED IN 330 ml CUP, 500ML BOTTLE, 1500 ML BOTTLE AND 20 LTR. JAR) * COLD STORAGE (CONTROLLED ATMOSPHERE OR CA) FOR POTATO CAP: 1,00,000 BAGS (50 Kg/Bag), STORING CAP: 5000 Mt, SOLVENT EXTRACTION & REFINING (SOYABEAN) (Cap- 250mt/day & 50mt/Day oil Refining) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKS, GIN) FROM RECTIFIED SPIRIT/ENA LUBE OIL BLENDING AND GREASES PLANT * COLD STORAGE FOR POTATO 1,00,000 BAGS (50 KG/BAG) * MAIZE FLOUR & BY PRODUCT MANUFACTURING PLANT * CUT FLOWER (GLADIOLI, MARGIGOLD, STATICE, CHRYSANTHEMUM ROSE WITH GREEN HOUSE) * CATTLE FARMING AND DAIRY PRODUCTS * COLD STORAGE FOR POTATO AND OTHER HORTICULTURE PRODUCTS Cap:- 5000 Mt or 100000 Bags (50 Kg/Bag) * DEXTROSE PLANT * SBR RUBBER SHEETS AND SHOE MANUFACTURING * CASHEW NUT PROCESSING * PLYWOOD AND PLYBOARD PARTICLE BOARD AND LAMINATED PARTICLE BOARD * VENEER MAKING, PLYWOOD & PLYBOARD MAKING * WALNUT & PINUS(CHILGOZA) OIL, SHELL POWDER PROCESSING PLANT * COUNTRY LIQUOR BOTTLING PLANT (1,00,000 BOTTLES/ DAY)
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<ul style="list-style-type: none"> * PLASTIC GRANULES FROM PLASTIC WASTE * ROPE AND SUTLI MAKING PLANT * BOTTLING PLANT (COUNTRY LIQUOR) 10,000 LTRS./DAY) * I.V. FLUID (FFS OR BFS TECHNOLOGY) * TOXIN PAN MASALA, TOBACCO LESS GUTKHA AND ZARDA * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * UPVC DOORS & WINDOWS FABRICATING PLANT (Fixing and Installation of Door and Windows of uPVC profiles) * RUBBER & FLAT TRANSMISSION BELT CONVEYOR BELT * MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * MEDICAL COLLEGE WITH 750 BEDS HOSPITAL FACILITY * MICRO IRRIGATION PRODUCT MANUFACTURING PLANT * HOT DIP GALVANIZING MUSTARD OIL PROCESSING PLANT (EXPPELLER PROCESS) * CEMENT TILES, CANAL LINE SLAB, KERV STONE, PAYER RCC PIPE, MANOHOLE COVER,ENTERLOCKING ETC. MANUFACTURING PLANT * MEDICAL COLLEGE (100 STUDENT INTAKE CAP. MEDICAL COLLEGE WITH 500 BED HOSPITAL) * ESTABLISHMENT OF A PRIVATE UNIVERSITY * DIGITAL INKS * GALVANIZING PROCESS PLANT FOR ELECTRICAL POLES * MAIZE PROCESSING PLANT * STARCHES / MODIFIED STARCHES/ LIQUID GLUCOSE / DEXTROSE MONOHYDRATE /GLUCOSE SYRUPS / CORN SYRUP SOLIDS / HIGH MALTOSE CORN SYRUPS / MALTO DEXTRINE POWDER / CORN GLUTEN MEAL (60%) MAIZE OIL / SORBITOL. * BABY CARE PRODUCTS * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * BOTTLING OF WHISKY * UPVC DOORS & WINDOWS PROFILES * EPDM RUBBER PROFILES * FAT LIQUOR (CHLORINATED PARAFFIN WAX) * FAST FOOD RESTAURANT WITH CENTRALISED KITCHEN 	<ul style="list-style-type: none"> * READY MADE GARMENT (T-SHIRT/POLO GOLFERS/ WOVEN SHIRTING & SUITING FOR UNIFORMS/SWEATERS) MANUFACTURING * BIO-DIESEL EXTRACTION FROM JATROPHA, SOYABEAN, SUNFLOWER, RICE BRAN, ALGE & CULTIVATION OF JATROPHA * FAST FOOD RESTAURANT CHAIN WITH CENTRALISED KITCHEN * GUAR SPLIT POWDER AND OTHER BY PRODUCTS * SOLVENT EXTRACTION PLANT (COTTON SEED) * RASGULLA MANUFACTURING AND CANNING * CULTIVATION OF RICE & WHEAT COMMERCIAL & MECHANISED DEVELOPMNT * MAIZE & BY PRODUCTS PROCESSING -STARCH MODIFIED STARCHES/LIQUID GLUCOSE/DEXTROSE MONOHYDRATE/GLUCOSE SYRUPS/CORN SYRUP SOLIDS/HIGH MALTOSE CORN SYRUPS/ MAITO DEXTRINE POWDER/CORN GLUTEN MEAL (60%) MAIZE OIL/SORBITOL * TEAK FARMING * ARTIFICIAL MARBLE (SYNTHETIC) * POTATO STARCH CARDANOL FROM C.N.S.L. (CASHEWNUT SHELL LIQVID * INTEGRATED SCRAP YARD * POTATO STARCH * MANGO PULP (5 TON/HOUR 200 KG ASEPTIC PACKAGING) * BOTTLING PLANT (WHISKY, BRANDY, RUM, VODKA, GIN) FROM RECTIFIED SPIRIT/ENA * COW DAIRY FARMING (AYRSHIRE/HOLSTEIN) AND MILK PROCESSING MILK/DAY CAP-50,000 LTR/DAY * WHEAT FLOUR MILL * CHAKKI FLOUR MILL * I.V. FLUID (FFSTECHNOLOGY) * LIQUID GLUCOSE FROM POTATOES * SORBITOL FROM MAIZE STARCH * WALNUT PROCESSINGPLANT * SOLVENT EXTRACTION AND OIL REFINERY CUM PACKING OF RICE BRAN OIL * COTTON SEED OIL SOLVENT EXTRACTION PLANT * MARINE TRAINING INSTITUTE & PLACEMENT SERVICE PROVIDING AGENCY * I.V.FLUID (FFS TECHNOLOGY) * CERAMIC FIBERS, CERAMIC 	<ul style="list-style-type: none"> FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * COLD SUPPLY CHAIN * LAMI TUBE MANUFACTURING * EYE DROP 3 PIECES (PLASTIC VIALS) * PET BOTTLES (CAMBER/ CLEAR IN COLOUR) CAP: 15ML,60ML 100ML,135ML, 200ML & 500ML * BENZYL ALKONIUM CHLORIDE (BKC) * NATURAL SUGAR WAX * MARGARINE BUTTERFROM VEGETABLE OIL * GREEN HOUSE FOR CROP PRODUCTION * ORGANIC DAIRY FARMING * E-WASTE * BIO-DIESEL FROM ALGAE * VANADIUM PENT OXIDE GRAPHITE MINING AND BENEFICIATION PLANT * VITAMIN WATER * PET PREFORM CUM PET BOTTLES * ORGANIC DAIRY FARMING AND PRODUCING WHOLE MILK POWDER (WMP) * HDPE BOTTLES * CAUSTIC SODA FROM SODIUM CHLORIDE * COAL TAR PITCH * MOSQUITO REPELLANT * WRIST BAND * CASTOR OIL AND ITS DERIVATIVES OLEO RESIN, TURKEY RED OIL, DCO, HCO, SEBACIC ACID, 12-HYDROXY STEARIC ACID * PAPAIN FROM PAPAYA * PROCESSED CHEESE * MONOCHLORO BENZENE * EUGENOL FROM CINNAMON OIL * SULPHUR 80% WDG * CERAMIC FIBERS, CERAMIC FIBRE BLANKET, CERAMIC FIBRE BOARD AND CERAMIC FIBRE ROPE * SCREEN PRINTING * DI CALCIUM PHOSPHATE FROM ROCK PHOSPHATE & HAIFA PROCESS * PVC FLEXIBLE PIPE * FLEX BANNER USED IN DIGITAL PRINTING * PIGMENTS BINDERS FOR TEXTILE PRINTING * POULTRY & HATCHERY FARM * ALOEVERA JUICE AND GEL * LIME PUTTY * AUTOMOBILE WORKSHOP/ GARAGE * EGG TRAY FROM PULP * CARDANOL FROM C.N.S.L. * OXYGEN GAS 	<ul style="list-style-type: none"> * POLYALUMINIUM CHLORIDE * NAMKEEN INDUSTRY (BHUIJA, CHANACHUR ETC.) * POLYOL USED FOR POLYURETHANES * POLYSTYRENE POLY PROPYLENE OXIDE * DIETHYL PHTHALATE * UREA FORMALDEHYDE AND MELAMINE * FORMALDEHYDE MOULDING POWDER * INSTANT COFFEE * ANNATTO SEED COLOUR EXTRACTION * FRUITS AND VEGETABLES DRYING BY (FREEZE DRYING METHOD) * BIO GAS PRODUCTION AND BOTTLING PLANT * JAM, JELLIES, FRUIT JUICE AND ALLIED PRODUCTS * MATERNITY NURSING HOME * CANNING & PRESERVATION OF VEGETABLES * CURCUMIN & TURMERIC OIL FROM TURMERIC * DETERGENT WASHING POWDER (ARIEL TYPE) * GRANITE SLAB AND TILES * TEA PACKAGING * PAN MASALA & GUTKHA * PRESTRESSED CONCRETE ELECTRIC SHOES * LEATHER SHOES * ROTOGRAVURE PRINTING (FOR FLEXIBLE PACKAGING) * AUTOCLEAVED 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 PU. FOAM * ASPIRIN * SORBITOL FROM MAIZE STARCH * SPICE OIL & OLEORESIN * ANTI-FOAMING AGENT (SILICONE BASED) FOR DISTILLERY, SUGAR, PAPER PLANT ETC. * LAUNDRY & DRY CLEANER * BRICKS FROM STONE DUST * CARBOXY METHYL STARCH * TITANIUM DIOXIDE * UNDECYENIC ACID * PSA BASED NITROGEN GENERATOR * SYNTHETIC IRON OXIDE * PVC INSULATION TAPE * TAMARIND KERNEL POWDER * ORGANIC CHEMICAL & SOLVENTS * PLASTICIZERS * ICE PACK (SOLUTIONS TYPE, VIOLET-SEMI SOLID POLYMER TYPE) * GUM FROM TAMARIND * PEARL SUGAR CANDY (MISHRI) * GOAT & SHEEP FARMING * GYPSUM PLASTIC BOARD (AUTOMATIC PLANT) * NON-WOVEN INDUSTRY (CARRY BAGS, SURGICAL GOWN, FACE MASK, ROUND CAPS, SHOE COVER, GLOVE) * COTTON SPINNING, SIZING, 	<ul style="list-style-type: none"> YARN, DYEING & WEAVING * CALCIUM CHLORIDE * AMINES & ALLIED PRODUCT * SPINNING COTTON * SILICONE FROM RICE HUSK * ADHESIVE (FEVICOL TYPE) * CAUSTIC SODA FROM ELECTROLYSIS * CAMPHOR TABLETS * CERAMIC GLAZED WALL AND FLOOR TILES * ZINC SULPHATE MONO * ETHANOL (BIO FUEL) FROM RICE STRAW * GYPSUM MOULDING AND GYPSUM BOARD * SMOKELESS COAL * ACID (SILICA) AND BASIC RAMMING MASS * UNSATURATED POLYESTER RESINS * DAIRY (BUFFALO) FARMING SILICONE FROM RICE HUSK * N-ACETYL THIOZOLIDINE-4-CARBOXYLIC ACID (NATCA) * PE BASED CARBON BLACK COMPOUND * ONION DEHYDRATION * PVC PIPES & FITTING * GLASS REINFORCED * GYPSUM MOULDINGS ABSORBENT COTTON & SURGICAL BANDAGES * CALCIUM STEARATE BY FUSION PROCESS * MANGO POWDER & OTHER FREEZE DRIED PRODUCTS * MENTHOL OIL FROM LEAVES AND MENTHOL * CRYSTALS (PEPPERMINT) MANUFACTURE OF CELLULOSE ACETATE * ANTIFOAMING / DEFOAMING AGENT * ALOEVERA CULTIVATION & PROCESSING * SYNTHETIC MAGNESIUM SILICATES * EPHEDRINE HYDROCHLORIDE * ACTIVATED BLEACHNG EARTH * TECHNICAL TEXTILES * FORMALIN FROM METHANOL * CATIONIC SOFTNER (STEARIC ACID BASED) * PRECIPITATED SILICA * PU BASED FOOT WEARS * FORMALDEHYDE RESIN (UREA, PHENOL, MELAMINE) * HDPE MONO FILAMEN NET * POTATO & ONION FLAKES 	<ul style="list-style-type: none"> * DUSTLESS CHALK (SCHOOL CHALK) * TOMATO POWDER * BIODEGRADABLE / COMPOSTABLE PLASTICS * ACRYLIC CO POLYMER EMULSION * ESTER GUM (FOOD GRADE) * PROTEIN BASED FOAMING AGENT * LECITHIN (SOYA BASED) * SOYA OIL AND CATTLE FEED FROM SOYA BEAN * COMPARISON BETWEEN FLY ASH AND CELLULAR LIGHTWEIGHT CONCRETE (CLC) BRICKS * CELL CAST ACRYLIC SHEET * ACRYLIC BATH TUB AND SHOWER TRAY * THERMOCOLE BASED DISPOSABLE PLATES * SODIUM SILICATE FROM RICE HUSK * ETHYL METHACRYLATE * SODIUM LAURYL ETHER SULPHATE * LATEX GLOVES, CONDOMS & CATHETER * CALCIUM NITRATE GRAIN BASED ALCOHOL DISTILLERY * BULK DRUGS * MARBLE QUARRYING * CULTIVATION OF CAPSICUM IN GREEN HOUSE * SULPHUR 90% WDG * EGG POWDER * WOOD PLASTIC * COMPOSITE BOARD LINE * SODIUM LAURYL SULPHATE AND SODIUM LAURYL ETHER SULPHATE * FISH PROCESSING * BABY CEREAL FOOD & MILK POWDERS (BABY FOOD) * GUR (JAGGERY) * DAIRY PRODUCTS * CHLORINATED PARAFFIN WAX (CPW) * HAND WASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING FORMULA OF DIFFERENT TYPES QUALITIES (LOW/ MEDIUM/HIGH COST) * HANDWASHING DETERGENT POWDER USING THE DRY MIX PROCESS INCLUDING
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<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

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	PRINTING & PACKAGING * Printing Processes Tech. & Indt. * Hand Book of Printing Tech. (Offset, Screen, Flexo, Gravure, Inkjet & Digital) * Hand Book of Offset Printing Technology * Screen Printing with Processes & Technology * Hand Book of Prepress * Hand Book of Packaging Indus * Modern Packaging Technology for Processing Food, Bakery, Snack Foods, Spices and Allied Food Products * Hand Book of Food Packaging Technology * Modern Tech. of Printing Inks * Hand Book of Packaging Tech.	
GUMS, ADHESIVES & SEALANTS	PAINT, VARNISH, SOLVENTS, POWDER COATING & LACQUERS * Paint Pigment Varnish & Lacquer Manufacturing * Paint Varnish Solvents & Coating Technology * Paint, Pigment, Solvent, Coating, Emulsion, Paint Additives & Formulations * Technology of Coatings, Resins, Pigments & Inks Industries * Mfg. Tech. & Formulations H.B. on Thinners, Putty, Wall & Indu. Finishes & Synthetic Resins * Technology of Synthetic Resins & Emulsion Polymers * Technology of Paints and Coatings with Formulations * Powder Coating Technology Hand Book	
* 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	PLASTIC/POLYMER PROCESSING, COMPOUNDING, INJECTION MOULDING, ROTATIONAL MOULDING, PLASTIC FILM, FIBRE GLASS, PLASTIC WASTE RECYCLING, MOULDS, PET & RESINS, ADDITIVES INDUSTRIES * Moulds Design & Processing Hand Book * Hand Book of Plastic Materials & Processing Technology * Injection Moulding of Plastics * Plastic Processing & Packaging Industries * Plastic Waste Recycling Tech. * Technology of Plastic Films * Rotational Moulding Technology Hand Book * Plastic Compounding, Master Batches, PET & Other Plastics * Synthetic Resins Technology	BAKERY, CONFECTIONERY & BREAKFAST, PASTA & CEREALS * Hand Book of Bakery Industries * Hand Book of Confectionery with Formulations * Breakfast, Dietary Food, Pasta & Cereal Products Technology * Hand Book of Modern Bakery Products (2nd Edn.) * Modern Bakery Technology & Fermented Cereal Products with Formulae * Technology of Confectionery, Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop and Jelly Products with Formulations
* Start Your Own Export Business (How To Export) * Start Your Own Small Business and Industry * Candle Making Processes & Formulations Hand-Book * Stationery, Paper Converting & Packaging Industries * Modern Inks Formulae & Manufacturing Industries * Profitable Businesses to Start for Entrepreneurs * Modern Small & Cottage Scale Industries * Profitable Small Cottage Tiny & Home Industries (2nd Edn.)		
BIO FUEL, BIO GAS & BIOPROCESSING		AGRO CULTIVATION, ANIMAL FARMING, AGRO PLANTATION & AGRO CHEMICAL/PESTICIDES/ FLORICULTURE & BEE KEEPING * Poultry Farm & Feed Formulae * Hand Book of Pig Farming
* Technology of Bio-Fuel (Ethanol & Biodiesel) * Mod. Tech. of Bioprocessing * Mod. Tech. of BioGas Production		
SWEETS, NAMKEEN & SNACK FOOD		
* Tech of Sweets (Mithai) with Formulae * Technology of Sweets (Mithai), Namkeen and Snacks Food with Formulae		

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

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Name of Books	Name of Books	Name of Books
NON WOVEN TECHNOLOGY	MINERAL AND MINERALS	PRODUCTS FROM WASTE
* Complete Tech. of Nonwovens Fabrics, CarryBags, Composite, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace and Absorbent Nonwoven	* Hand Book of Minerals and Minerals Based Industries	* Technology of Products from Wastes (Industrial, Agriculture, Medical, Municipality, Organic & Biological) By Panda
PHARMACEUTICALS & DRUGS	RUBBER CHEMICALS, COMPOUNDS & RUBBER INDUSTRIES	* Products from Waste Technology Hand Book
* Pharmaceuticals and Drugs Technology with Formulations	* Rubber Chemicals & Processing Industries	WINE PRODUCTION
LEATHER & LEATHER PRODUCTS	* Modern Rubber Chemicals, Compounds & Rubber Goods Technology	* Technology of Wine Production and Packaging
* Hand Book of Leather & Leather Products Technology	* Technology of Rubber & Rubber Goods Industries	ORGANIC FARMING & FOOD/NEEM
BIOTECHNOLOGY	AYURVEDIC MEDICINES	* Hand Book of Organic Farming and Organic Foods with Vermi-Composting & Neem Product
* Hand Book of Biotechnology	* Ayurvedic & Herbal Medicines with Formulae	FISH FARMING & FISHERY PRODUCTS
CERAMICS & CERAMIC PROCESS	* Hand Book of Ayurvedic Medicines with Formulations (A Complete Hand Book of Ayurvedic & Herbal Medicines)	* Hand Book of Fish Farming and Fishery Products
* H.B.of Ceramics & Ceramics Processing Technology	STAINLESS STEEL, NON FERROUS METALS, BILLETS & ROLLING MILL	TEXTILE AUXILIARY & CHEMICALS
TREE FARMING	* Modern Technology of Non Ferrous Metals and Metal Extraction	* Textile Auxiliaries and Chemicals with Processes & Formulations
* Hand Book of Tree Farming	* Processing Technology of Steels and Stainless Steels	* Technology of Textile Chemicals with Formulation
MUSHROOM PROCESSING	* Modern Technology of Rolling Mill, Billets, Steel Wire, Galvanized Sheet, Forging & Castings	* Modern Technology of Textile Auxiliary and chemicals with formulations
* Hand Book of Mushroom Cultivation, Processing & Packaging	* Manufacturing Technology of Non-Ferrous Metal Products	* Textile Processing Chemicals, Enzymes, Dye Fixing Agents and Other Finishes with Project Profiles
BIOFERTILIZERS & VERMICULTURE	FOOD ADDITIVES/CHEMICALS AND SWEETENERS & FOOD EMULSIFIERS	DISINFECTANTS, CLEANERS, PHENYL, DEODORANTS, DISHWASHING DETERGENTS ETC.
* Biofertilizers & Vermiculture	* Modern Technology of Food Additives, Sweeteners and Food Emulsifiers	* Manufacture of Disinfectants, Cleaners, Phenyl, Repellents, Deodorants, Dishwashing Detergents & Aerosols with Formulations
BIODEGRADABLE PLASTICS AND POLYMERS	* Technology of Food Chemicals, Pigments and Food Aroma Compounds	COFFEE & COFFEE PROCESSING
* Modern Technology of Biodegradable Plastics and Polymers With Processes (Bio-Plastic, Starch Plastics, Cellulose Polymers and Others)	DISPOSABLE MEDICAL PRODUCTS	* Start Your Own Coffee & Coffee Processing
* Production of Biodegradable Plastics and Bioplastics Technology	* Technology of Disposable Medical Products	CASTING TECHNOLOGY
FROZEN FOOD AND FREEZE DRYING	SOYA MILK, TOFU & SOY PRODUCTS	* Casting Technology Hand Book
* Complete Hand Book on Frozen Food Processing & Freeze Drying Technology	* Technology of Soya Milk, Tofu, Hydrolyzate, Allied Soyabean Products with project Profiles	ONION DEHYDRATION
* Modern Technology of Frozen Food Products	* Technology of SOYBEAN Products with Formulae	* Onion Cultivation, Dehydration, Flakes, Powder, Processing & Packaging Technology

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03. Agro food Processing & Packaging	42. Hand book of Offset Printing Technology, Pre-Press, Plate Making, Web Offset, Newspaper Production	81. Casting Technology HandBook
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05. Complete Book on Banana Cultivation, Dehydration, Ripening, Processing, Products & Packaging	44. Hand Book of Packaging Technology	83. Poultry Farming, Hatchery & Broiler Production
06. Citrus Fruits cultivation & Processing	45. Plastic Materials & Processing Tech.	84. Wine Production and Packaging
07. Commercial Dairy farming to produce milk with project profiles	46. Poultry Farming & Feed Formulations	85. Modern Technology of Bioprocessing
08. Complete Handbook on frozen food processing & freeze drying technology	47. Hand Book of Prepress	86. Profitable Small Scale Manufacture of Cosmetics (Synthetic/Herbal)
09. Dairy farming for milk production	48. Hand Book of Spices & Packaging with Formulaes	87. Technology of Herbal Cosmetics and Toilettries Products with Formulae
10. Technology of Synthetic Resin & Emulsion Polymers	49. Ceramics & Ceramics ProcessingTech	88. Tech of Maize & Allied Corn Products
11. Floriculture Hand Book (Hand book of flowers growing technology)	50. Injection Moulding of Plastics	89. Complete Hand Book on Adhesives & Adhesion Tech. with Project Profiles
12. Fruit Beverages and Processing with Mango Products	51. Manufacture of Snacks Food, Namkeen, Pappad & Potato Products	90. Hand Book of Tree Farming
13. Modern Technology of Printing Inks	52. Manufacturing Technology of Non-Ferrous Metal Products	91. Hand Book of Pig Farming
14. H. B. of Biofertilizers & Vermiculture	53. Chicken Meat and Poultry Products	92. Paints & Coatings with Formulations
15. H. B. of Adhesives with formulaes	54. Meat Processing & Meat Products H.B.	93. E-Book Formulations on Nail Enamel & Nail Polish Removers
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29. Rotational Moulding Technology	68. Profitable Small, Cottage, Tiny and Home Industries.	107. Hand Book of Leather and Leather Products Technology
30. Technology of Sweets, Namkeen and Snacks Food with Formulae	69. Technology of Reinforced Plastics	
31. Technology of Coatings, Resins, Pigments & Inks Industries	70. Rotational Moulding Technology	
32. Confectionery, Chocolates, Toffee, Candy, Chewing & Bubble Gums, Lollipop & Jelly products with formulae	71. Tomato Processing & Dehydration- Ketchup, Juice, Paste, Puree, Soup and Drying	
33. Technology of Food Preservation and Processing	72. Nonwovens-Fabrics, Carrybags, Composites, Geotextiles, Medical Textiles, Fibres, Felts, Apparels, Spunlace & Absorbent Nonwovens	
34. Tech. of Food Processing Industries	73. Soybean Products with Formulae	
35. Technology of Perfumes, Flavours and Essential Oils	74. Agro Processing and Food Packaging Products with Project Profiles	
36. Technology of PVC Compounding and Its Applications	75. Soya Milk, Tofu, Hydrolyzate, allied Soyabean Product with Project Profiles	
37. Technology of Rubber & Rubber Goods Industries	76. Products from Waste Technology	
38. Technology of Sweets (Mithai) with Formulae	77. Food Additives, Sweeteners	
39. Technology of Synthetic Dyes, Pigments & Intermediates	78. Food Chemicals, Pigments and Food Aroma Compounds	
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