

Entrepreneurship Industrial Manufacturing Businesses to Start

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Projects Covered In This Issue

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- Bottling of Country Liquor (Automatic Plant)
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- Instant Noodles
- Dairy Farming & Dairy Products (Pasteurised Milk & Curd)
- Tundish Insulated Powder (Radex)
- A.A.C. Blocks from Silica Sand & Lime Stone Powder
- Surgical Blade & Disposable Scalpel

Detailed Project Report On Bakery Unit

- Bakery is a traditional activity and occupies an important place in food processing industry. A bakery is an establishment that produces and sells flour-based food baked in an oven such as bread, cookies, cakes, pastries, and pies. Baking, particularly the baking of bread is one of the oldest of human activities. Baked goods have been around for thousands of years. The art of baking was developed early during the Roman Empire. Due to the fame and desire that the art of baking received, around 300 BC, baking was introduced as an occupation and respectable profession for Romans.
- There are many bakery products like bread and its different variants, biscuits, cakes & pastries, cookies, puffs etc. having ready market round the year. Each product enjoys a very wide range in terms of size or weight, flavours, end-use and so on. There is a tremendous scope to introduce new varieties every year.

Detailed Project Report On Calcium Silicate Blocks and Pipes

Calcium silicate is the chemical compound Ca_2SiO_4 , also known as calcium orthosilicate and sometimes formulated $2\text{CaO} \cdot \text{SiO}_2$. It is one of a group of compounds obtained by reacting calcium oxide and silica in various ratios e.g. $3\text{CaO} \cdot \text{SiO}_2$, Ca_3SiO_5 ; $2\text{CaO} \cdot \text{SiO}_2$, Ca_2SiO_4 ; $3\text{CaO} \cdot 2\text{SiO}_2$, $\text{Ca}_3\text{Si}_2\text{O}_7$ and $\text{CaO} \cdot \text{SiO}_2$, CaSiO_3 . Calcium silicate is a white free-flowing powder derived from limestone and diatomaceous earth. It has a low bulk density and high physical water absorption. It is used in Power Plants, Furnaces, Passive Fire Protection, Sugar Industry, Ceramic and Glassware, Cement Industry, Aluminium Industry, Iron and Steel Industry, Fertilizer, Refinery and Petrochemical Industry.

Detailed Project Report On Bicycle Tyres & Tubes from Natural Rubber

- Cycling Is Amongst The Most Sustainable Modes Of Mobility, Which Has Zero Dependence On Fossil Fuels And Zero Emissions Unlike The Motorized Modes Of Transport, Which Have Huge Negative Externalities, Namely, Accidents, Congestion, Fossil Energy Use, And Environmental Degradation.
- A Bicycle Tyre Is A Tyre That Fits On The Wheel Of A Bicycle, Unicycle, Tricycle, Quadracycle, Bicycle Trailer, Or Trailer Bike. Bicycle Tyres Provide An Important Source Of Suspension, Generate The Lateral Forces Necessary For Balancing And Turning, And Generate The Longitudinal Forces Necessary For Propulsion and Braking.

Detailed Project Report On Mosquito Repellent Liquidator, Vaporiser (All Out Type)

- Control of mosquitoes is something of utmost importance in the present day with rising number of mosquito borne illnesses. Mosquitoes need to be exterminated using the right tools and with a little bit of effort.
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- Its sole reason for existence in the market is the omnipresent mosquito, which makes life excruciatingly difficult for the average Indian during summer and monsoon months. In many ways the primary factor fuelling the explosive growth of this market – characterized by low brand loyalty and low product involvement – has been the availability of cost-effective, mosquito repellents.

Detailed Project Report On Glass Sheet

It Is Difficult To Conceive The Contemporary Architecture Without Glass. Glass Is A Non-Crystalline Amorphous Solid That Is Often Transparent And Has Wide Spread Practical, Technological, And Decorative Usage In, For Example, Window Panes, Tableware, And Optoelectronics. Regardless Of It Being Used For Windows, Facade Or Interior Partitions, Glass Connects The Space, Improves The Quality Of Space, Transmits Sufficient Light, And The Contemporary Types Of Glass May Contribute To Energy Saving. It Is Known That Energy Saving Is One Of The Most Important Architectonic Challenges Of Our Age.

The Wide Variety Of Architectural Glass Commercially Available Coupled With The Versatility And Creativity One Can Explore With The Material Makes The Design Process Exciting And Challenging. There Are Hundreds Of Glass Compositions As Well As Different Coatings, Colors, Thick-Nesses, And Laminates, All Of Which Affect The Way Light Passes Through The Material.

Detailed Project Report On MIG Welding Wire

MIG Wire is Copper coated strong wire. MIG wires are applied to weld numerous ferrous and non-ferrous materials and give sound results Solid copper coated welding wire for welding in gas shielding atmospheres. The high silicon contents and manganese alloyed in this wire. The higher contents of silicon and manganese increases the yield stress and tensile strength of weld metal. The high silicon content promotes a low sensitivity to surface impurities and contributes to smooth weld. Suitable for welding unalloyed and low alloyed construction steels with tensile strength below 640N/mm² like boiler plate, fine-grained steels, pipe steels, shipbuilding steels and cast steels.

MIG copper coated welding wire has excellent synthetic technological properties when corresponding welding flux is used, with a higher deposition efficiency, high quality and low intensity of labor.

Detailed Project Report On Baby & Adult Diaper & Sanitary Pads

A diaper or nappy is a kind of underwear that allows one to defecate or urinate in a discreet manner. When diapers become soiled, they require changing; this process is often performed by a second person such as a parent or caregiver. Diapers are primarily worn by children who are not yet potty trained or experience bedwetting. However, they can also be used by adults with incontinence or in certain circumstances where access to a toilet is unavailable. These can include the elderly, those with a physical or mental disability, and people working in extreme conditions such as astronauts. It is not uncommon for people to wear diapers under dry suits.

Sanitary napkins are designed to absorb and retain menstrual fluid discharges. When used they are applied inside an undergarment with a press-on adhesive fixing strip.

Detailed Project Report On Edible Oil Refinery

The oil palm, *Elaeis guineensis*, is native to Africa. The commercial values of this crop lies mainly in the oil that can be obtained from the mesocarp of the fruit - palm oil and the kernel of the nut - palm kernel oil. In fact, oil palm is the only fruit that can give these two types of oil. Both are edible oils but with very different chemical composition, physical properties and applications.

Palm oil is used mainly for cooking such as cooking oil, margarine and shortening but also has non-food applications such as soap, detergent, cosmetics. Among the food uses, refined, bleached and deodorised (RBD) olein is used mainly as cooking and frying oils, shortenings and margarine while RBD stearin is used for the production of shortenings and margarine. RBD palm oil, which is the unfractionated palm oil, is used for producing margarine, shortenings, vanaspati (vegetable ghee), frying fats and ice cream.

Detailed Project Report On Cold Storage

India is the largest producer of fruits and second largest producer of vegetables in the world. Fruits & vegetables, being perishable in nature require certain techniques of preservation for retaining the freshness intact and making them an acceptable item even after few days of ripening. It also facilitates the farmer to realize a better price instead of selling the product at a throw away price due to the perishability. This necessity as evolved a new concept of storing these items at below or just above sub-zero temperatures known as cold storage. Introduction of Cold storage / Cold room facility will help them in removing the risk of distress sale and simultaneously will ensure better returns. The annual production of fruits and vegetables in the country accounts for 18 to 20% of our agriculture output. Varied agro climatic conditions and better availability of scientific package of practices, there is a vast scope for increasing the production

Detailed Project Report On White Phenyl

A disinfectant is basically an agent, which destroys pathogenic organism. A good disinfectant should also be a deodorant possessing good keeping qualities. And it would be effective against microorganism of widely varying types.

Disinfectant is a general term used to describe a broad class of chemicals employed to destroy harmful bacteria, fungi and other microorganisms. They are part of many of the products like household cleaners, tooth pastes, shaving creams. Widerange of chemical products are classified as disinfectants. These include Chlorine and chloro compounds, Iodine and Iodophors, alcohols, aldehydes, phenols, quaternary ammonium compounds. This group of specialty chemicals is a fast growing segment.

Detailed Project Report On Bottling of Country Liquor (Automatic Plant)

Rectified spirit, methylated spirit, denatured spirit is the product of Ethyl alcohol or Ethanol. Ethyl alcohol has been described as one of the most exotic synthetic oxygen-containing organic chemicals because of its unique combination of properties as beverage, solvent, germicides an antifreeze, a fuel, a depressant and especially because of its versatility as a chemical intermediate for other organic chemicals. As a beverage ethanol (Ethyl alcohol) had been prepared and used long ago by the Egyptians. For hundreds of years alcoholic beverages have been taxed to generate government revenue all over the world. When ethanol emerged as a key industrial raw material the alcohol tax was recognized as a burden to many essential manufacturing industries. To achieve this denaturants were added to ethyl alcohol to make them unfit for drinking. The Denatured alcohol are either completely denatured alcohol or specially denatured alcohol. Methylated spirit is also denatured alcohol available freely without any government restriction for industrial use.

Detailed Project Report On Fire Fighting Foam

- Fire-fighting foam is a foam used for fire suppression. Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion. Fire-fighting foam was invented by the Russian engineer and chemist Aleksandr Loran in 1902.
- The surfactants used must produce foam in concentration of less than 1%. Other components of fire-retardant foams are organic solvents (e.g., trimethyltrimethylene glycol and hexylene glycol), foam stabilizers (e.g., lauryl alcohol), and corrosion inhibitors.
- Low-expansion foams have an expansion rate less than 20 times. Foams with expansion ratio between 20 and 200 are medium-expansion. Low-expansion foams such as AFFF are low-viscosity, mobile, and able to quickly cover large areas.

Detailed Project Report On Hollow Glassware

- Glass is an amorphous (non-crystalline) solid material which is often transparent and has widespread practical, technological, and decorative usage in things like window panes, tableware, and optoelectronics. The most familiar, and historically the oldest, types of glass are based on the chemical compound silica (silicon dioxide), the primary constituent of sand. The term glass, in popular usage, is often used to refer only to this type of material, which is familiar from use as window glass and in glass bottles.
- Hollow Glasswares are made from silica sand and soda ash. Hollow Glasswares contribute about 80% of total glass production. Glass Hollow ware such as glass bottles, table ware, lemon set, tumbler, jar and chimney are being used since ancient times. These items have a great demand due to frequent use and regular breakage. Glasswares are very much useful and essential for storage and packing of wine, food and chemicals etc. Demand of glass containers is increasing consistently.

Detailed Project Report On **Hospital**

A hospital as a health care organization has been defined in varied terms as an institution involved in preventive, curative/ameliorative, palliative or rehabilitative services. However, the definition given by WHO is quite exhaustive and exclusive, in which it is defined as, 'an integral part of the medical and social organization which is to provide for the population complete health care, both curative and preventive; and whose out patient services reach out into the family in its home environment. The hospital is also a centre for the training of health workers and for bio-social research'.

Detailed Project Report On

Instant Noodles

- Many fast food items have flooded the markets but noodles have emerged as the most popular item as it is cheaper, very easy to make and nutritious. Urban and semi-urban markets are controlled by Maggi and other players are Top Ramen and other brands. Maggi has revolutionised the concept and this product has gone to majority of the urban households. As an off-shoot of this development, noodles have become very popular in India.
- Instant noodles are mostly fried noodles which are made of flour, water, alkaline salt and other additives. The consumption of instant noodles is global due to their characteristics such as convenience to eat, easy to mass-produce, widely acceptable taste, preferred texture and affordable prices. Instant noodles are dried or precooked noodles fused with oil, and often sold with a packet of flavoring.

Detailed Project Report On Dairy Farming & Dairy Products (Pasteurised Milk & Curd)

- In India dairying has been practiced as a rural cottage industry since the remote past. Semi commercial dairying started with the establishment of military dairy farms and cooperative milk unions throughout the country towards the end of the Nineteenth century. However market milk technology may be considered to have commenced in 1950, with the functioning of the Central Dairy of Aarey milk colony, and milk product technology in 1956 with the establishment of AMUL Dairy, Anand.
- The importance of milk in human diet especially for children and expectant and nursing matters is vital. To meet the demand of the increasing population milk production in India has to be increased. It is neither possible nor desirable to increase the cattle and buffalo population to achieve this target. This can only be achieved by stepping up milk production of our bovine population by cross breeding of cows and use of improved cows and cow.

Detailed Project Report On **Tundish Insulated Powder (Radex)**

In modern steelmaking and casting plants, steel is produced either in a basic oxygen furnace (BOF) or in an electric arc furnace (EAF). In a BOF, hot metal and scrap are blown by oxygen gas with a flux addition, such as lime, to remove carbon, phosphorus, sulfur, and silicon. A modern EAF produces steel by remelting and refining steel scrap and other raw materials, and also uses oxygen gas injection and lime addition. The steel melt with dissolved oxygen thus produced is tapped into a ladle, where it is deoxidized with ferroalloys, Fe-Si, Fe-Si-Mn, and/or metallic aluminum. The deoxidation products, such as silica, mangano silicates, alumina, alumino silicates, aluminates and/or their composites, are largely removed from the melt by flotation. Whenever necessary, the deoxidized melt is further processed in a ladle furnace (LF) to remove any remaining suspended oxide particles (called non-metallic inclusions, or simply inclusions), to lower the sulfur content, and to adjust the melt's chemistry and temperature.

Detailed Project Report On

A.A.C. Blocks from Silica Sand & Lime Stone Powder

- Autoclaved Aerated Concrete (AAC) is a non-combustible, lime-based, cementitious building material that is expanding into new worldwide markets. As a single-component building material, AAC has achieved acceptance in new markets throughout the world.
- Autoclaved Aerated Concrete (AAC) is a fully integrated building system of panels and blocks that are used for residential, commercial and industrial buildings. AAC, a light-weight green building material, is fire resistant and has good thermal insulation, solid structure and is easy to work with. This is a light-weight building material produced by autoclaving a set mix of fine siliceous materials such as ground sand or fly ash and a binder like Portland cement or lime. Lightness is achieved by incorporating a large proportion of closed microscopic pores in the slurry with the help of entraining or foaming agent.

Detailed Project Report On Surgical Blade & Disposable Scalpel

- A scalpel is a small but extremely sharp knife used for surgery, anatomical dissection, and various arts and crafts. Scalpels may be disposable or re-usable. Scalpel blades are usually of hardened and tempered steel. Surgical scalpels consist of two parts, a blade and a handle. Standard Surgical Blades are available in both high carbon and stainless steel. Stainless steel single-piece surgical blades are strong and corrosion-resistant to provide superior cutting ability.
- These are essential tools for surgical incision. Scalpels are used for a variety of surgeries and medical procedures. Scalpels and blades are a crucial component to cardiac surgery, interventional cardiovascular surgery, successful bypass surgery and cardiac transplant surgery. In addition to cardiovascular surgery, endoscopic surgery has seen a demand for high quality surgical scalpels and blades. Precision incision equipment is needed in procedures such as appendectomies, hernia repair, intestinal surgeries and diagnostic biopsy operations. The Indian technology is now able to manufacture small yet extremely sharp scalpels and surgical blades.

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Contact us

Niir Project Consultancy Services

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co , www.niir.org

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- *We help catalyze business growth by providing distinctive and profound market analysis*
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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



Who do we serve?

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- *Government Undertakings*
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- *Embassies & Consulates*
- *Consultancies*
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- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*



- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
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- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
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Contact us

Niir Project Consultancy Services

**106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.**

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co , www.niir.org

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