

Industrial Polymers, Additives, Colourants and Fillers

(Stabilizers, Pigments, Olefin Copolymers, Polyacrylamide, Polysulfone, Polymerization, Allyl Resins (DAP/DAIP), Fluoropolymers, Poly (Vinylidene, Resin Forms, Polyamide-Imide (PAI), Polycarbonate (PC), Fillers, Calcium Carbonate, Fillers, Kaolin, Fillers, Mica)

Introduction

The Indian plastic and polymer industry has taken great strides. In the last few decades, the industry has grown to the status of a leading sector in the country with a sizable base. The material is gaining notable importance in different spheres of activity and the per capita consumption is increasing at a fast pace. Numerous plastics and fibers are produced from synthetic polymers; containers from propylene, coating materials from PVC, packaging film from polyethylene, experimental apparatus from Teflon, stockings from nylon fiber, there are too many to mention them all.

The reason why plastics are popular is that they may offer such advantages as transparency, self-lubrication, light weight, flexibility, economy in fabricating and decorating. Properties of plastics can be modified through the use of fillers, reinforcing agents and chemical additives. Silicones are by far the most important industrial polymers and are based on silicon, an element abundantly available on our planet. Polymers are classified in three broad groups; addition polymers, condensation polymers and special polymers. It is well known that the major consumption of additives is in PVC compounds.

Approximately 80% of additives are being used in PVC; however the left over 20% is consumed in compounding of other thermoplastics. Plastic master batches and fillers have their own importance in plastic processing industries. Colorants are the materials that give colour and opacity to plastics are chemically characterized as either pigments or dyes. Pigments are finely pulverized natural or synthetic particles which may be of inorganic or organic origin and insoluble in the matrix in which they are dispersed.

Permanent red 2B is a mono AZO pigment that is widely used in thermoplastics because it is inexpensive and has high tinting strength and good bleed resistance. Fillers are commonly employed in opaque PVC compounds to reduce cost and to improve electrical insulation properties, to improve deformation resistance of cables, to increase the hardness of a flooring compound and to reduce tackiness of highly plasticized compounds. Various calcium carbonate are used for general purpose work, china clay is commonly employed for electrical insulation, and asbestos for flooring applications.

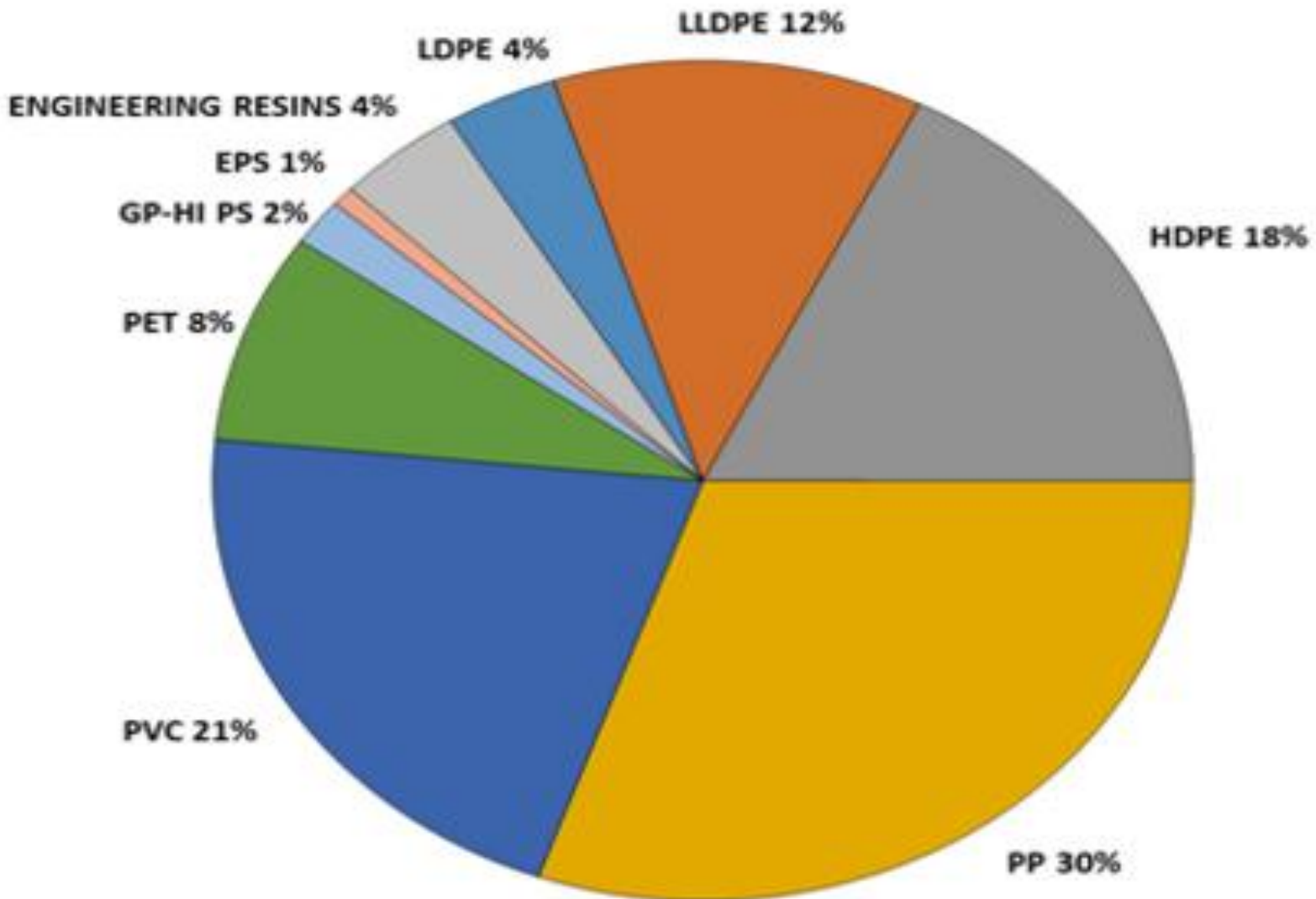
Also employed occasionally are the silicas and silicates, talc, light magnesium carbonate and barites (barium sulfate). Polymer Energy system is an award winning, innovative, proprietary process to convert waste plastics into renewable energy. Polymers are the most rapidly growing sector of the materials industry.

No wonder polymers are found in everything from compact discs to high tech aerospace applications. On the basis of value added, Indian share of plastic products industry is about 0.5% of national GDP.

Market Outlook

The total production of polymers was 6533.157 thousand metric tonne in the year 2014-15. In percentage terms, contribution of different varieties of polymers was: Linear Low Density Polyethylene (LLDPE) 13.9%, High Density Polyethylene (HDPE) 17.70%, Low Density Polyethylene (LDPE) 2.80%, Polystyrene (PS) 4.30%, Polypropylene (PP) 39.70%, Poly Vinyl Chloride (PVC) 20.40%, and Expandable Polystyrene (EX-PS) 1.20%.

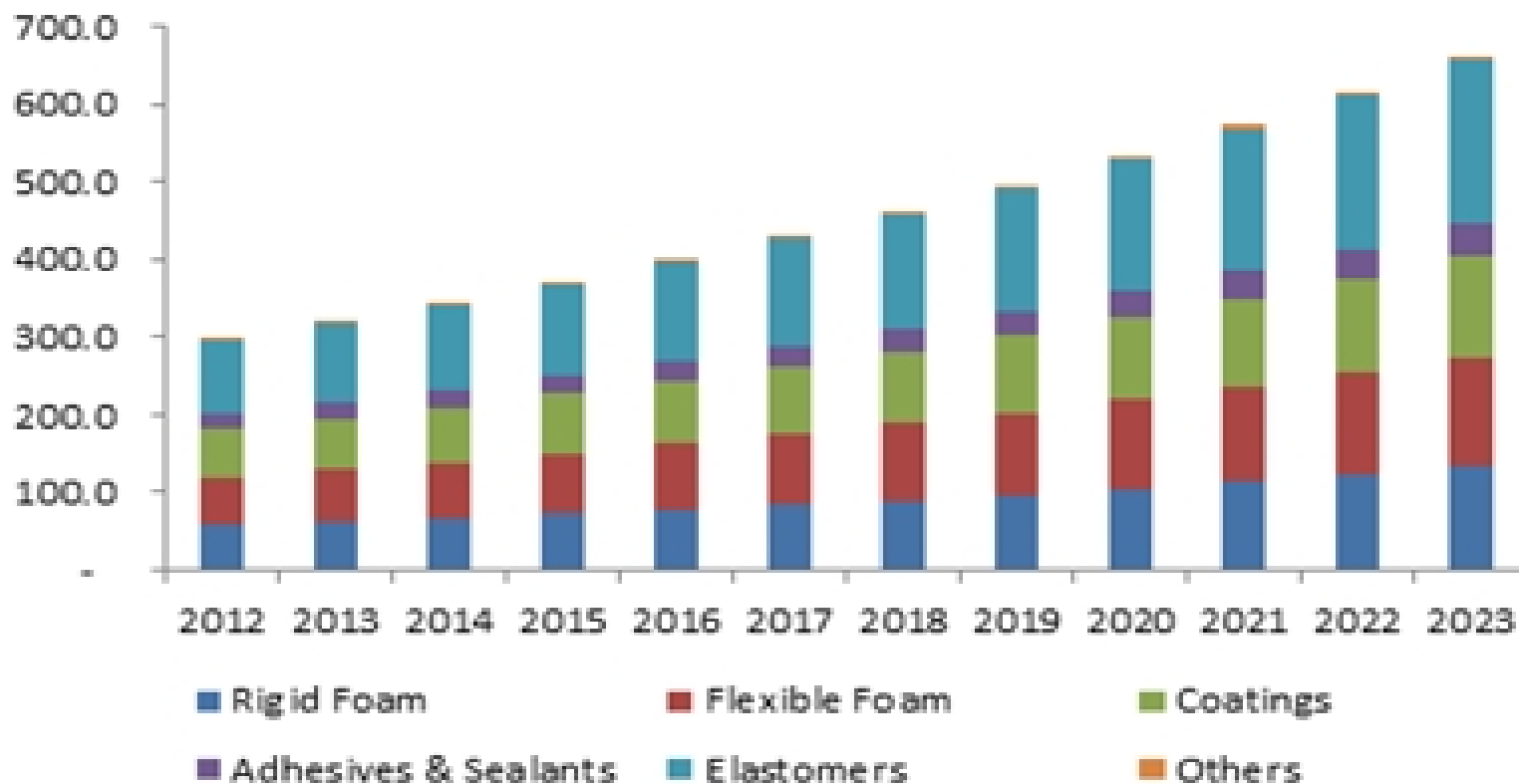
Polymer Demand in the Indian Sub-Continent



Global Polyurethane (PU) Market size was projected at \$51.6 billion for 2015 and is anticipated to generate revenue greater than \$78 billion by end of forecast timeline.

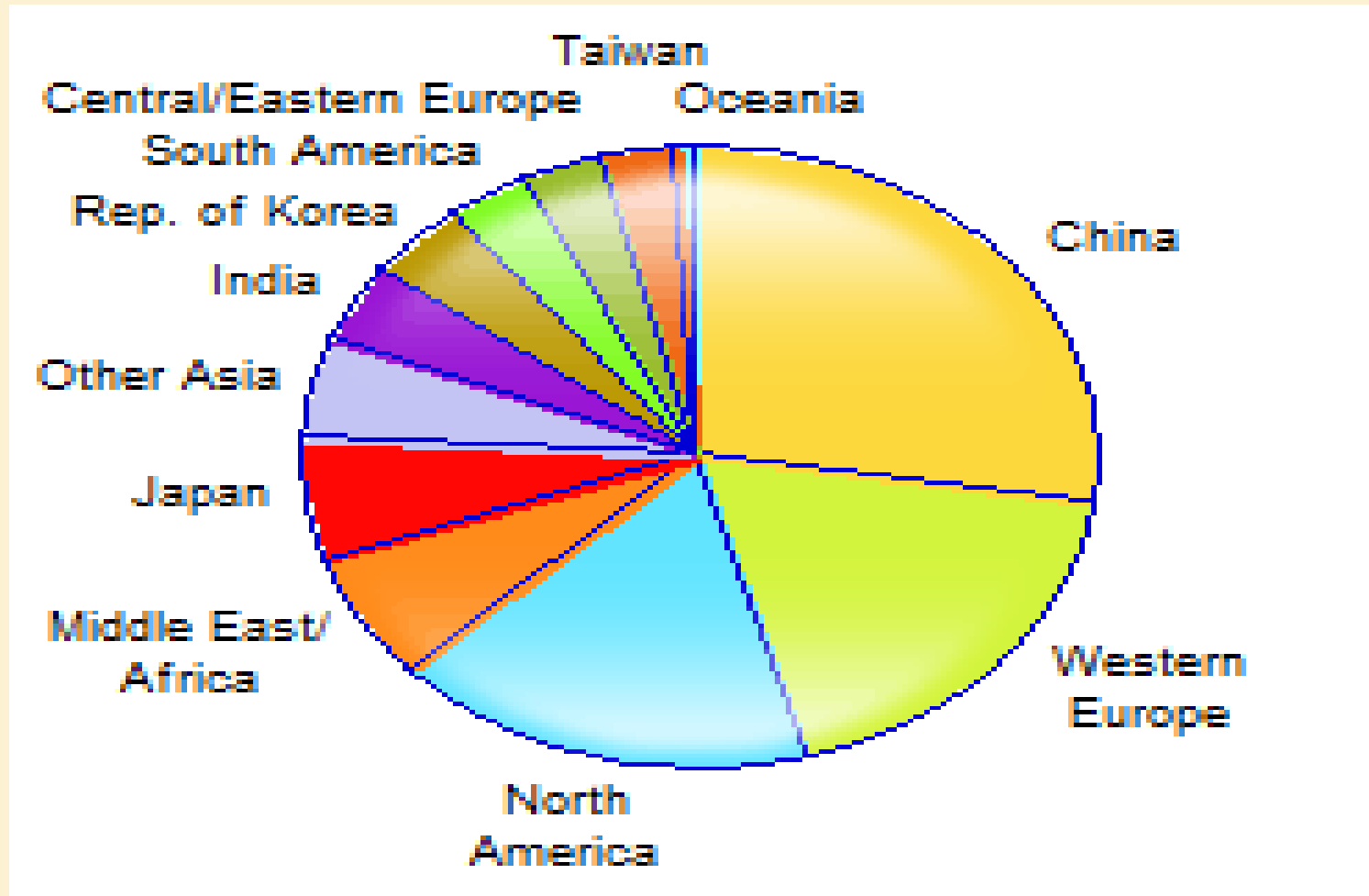
India Polyurethane Market

India polyurethane (PU) market size, by product, 2012-2023 (KT)



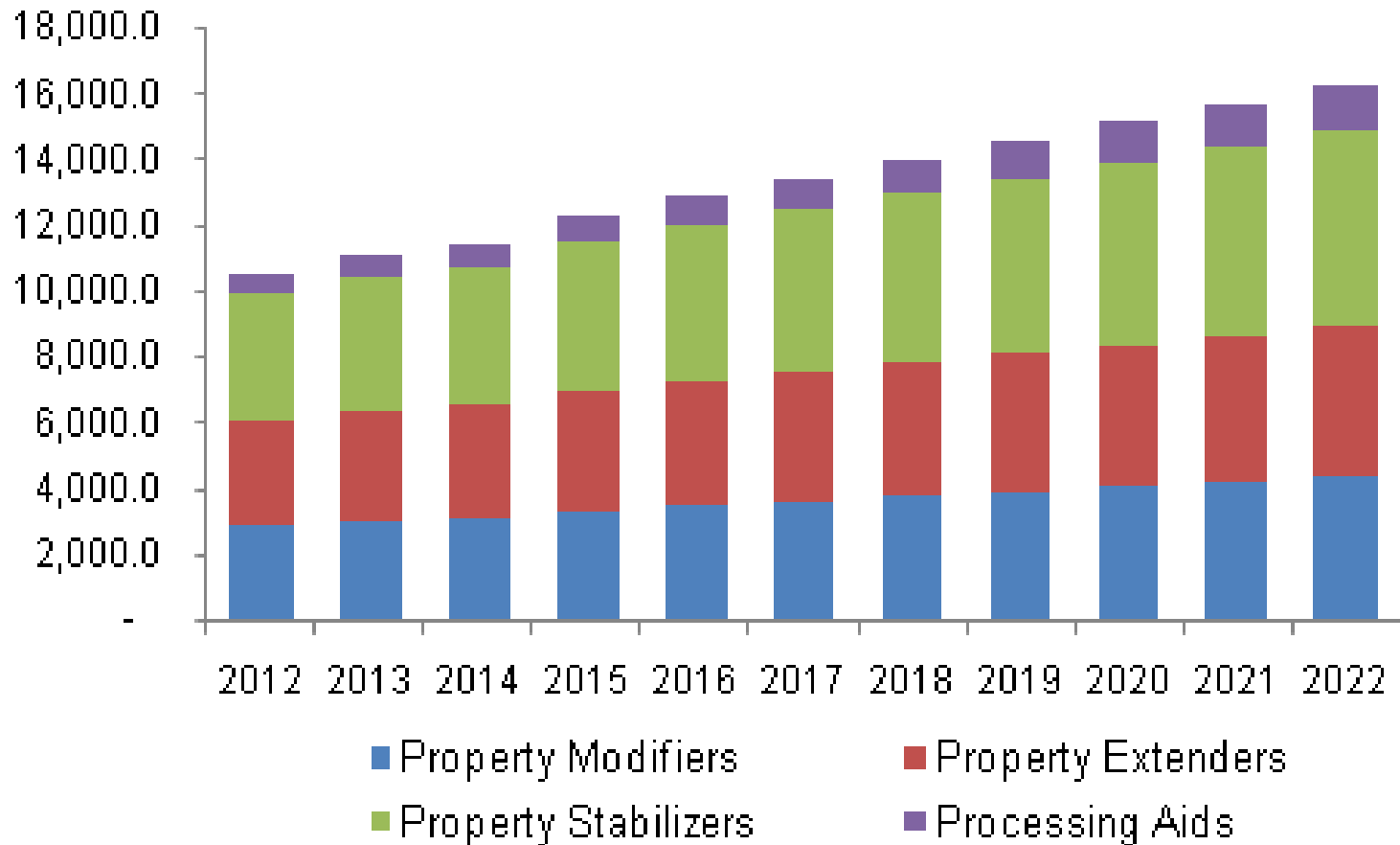
The market size for plastic additives was USD 38.31 Billion in 2015 and is projected to reach USD 50.86 Billion by 2021, registering a CAGR of 4.9% between 2016 and 2021.

World Consumption of Plastics Additives



Global Plastic Additives Market is expected to grow significantly at a CAGR of 4.5% from 2015 to 2022.

North America Plastic Additives Market Revenue by Function



The global polymer fillers market is expected to reach \$ 54.8 billion by 2021, growing at a CAGR of 3.28 percent between 2016 and 2021.

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Polycarbonate

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Industrial Polymers, Industrial Polymers in India, Industrial Additives, Additives Industry, Chemicals and Industrial Polymers, Industrial Polymers & Additives, Industrial Colorants, Industrial Colourants and Polymers, Industrial Colorants Materials, Industrial Fillers, Fillers Business & Industrial Polymers, Opportunities in Fillers Industry, Chlorinated Polyethylene, Cross-Linked Polyethylene, Linear Low-Density Polyethylene (LLDPE), High-Molecular-Weight High-Density Polyethylene, Ultrahigh-Molecular-Weight Polyethylene, Polypropylene, Olefin Copolymers, Ethylene-Propylene Elastomer, Thermoplastic Polyester Elastomers, Thermoplastic Polyurethane Elastomers, Thermoplastic Polyolefin Elastomers, Styrene-Acrylonitrile Copolymer, Acrylonitrile-Butadiene-Styrene Terpolymer, Poly (Acrylic Acid) and Poly (Methacrylic Acid), Condensation Polymers, Polyesters, Poly (Dihydroxymethylcyclohexyl Terephthalate), Polyester-Glass-Fiber Laminates (GRP, FRP), Formaldehyde Resins, Phenol-Formaldehyde Resins, Urea-Formaldehyde Resins, Melamine-Formaldehyde Resins, Thermoplastic Polyurethane Rubbers, Ether Polymers, Polyurethane Coatings, Poly (Phenylene Oxide), Poly (Phenylene Sulfide), Silicones and Other Inorganic Polymers, Polyethylene, High Density (HDPE), Allyl Resins (Dap/Daip), Fluoropolymers, Poly (Vinylidene Fluoride) (PVDF), Film Extrusion, Injection Molding, Polyamide-Imide (PAI),

Tags

Polybutylene (PB), Polycarbonate (Pc), Polyethylene Linear Low Density (LLDPE), Flexible Poly (Vinyl Chloride) (FPVC), Fillers, Calcium Carbonate, Fillers, Kaolin, Air-Floated Kaolin, Water-Washed Kaolin, Calcined Kaolin, Surface-Modified Kaolins, Pigments and Dyes, Fillers, Alumina Trihydrate (ATH), Unsaturated Polyester, Acrylonitrile-Butadiene-Styrene (Abs), Fillers, Fiber Glass, Polyethylene, Low Density (LDPE), Fillers, Calcium Sulfate, Polymers Filled, Silicone Fluids, Silicone Resins, Silicone Rubbers, Piezoelectric Polymers, Processability of HDPE, NPCS, Niir, Process technology books, Business consultancy, Business consultant, Project identification and selection, Preparation of Project Profiles, Startup, Business guidance, Business guidance to clients, Startup Project, Startup ideas, Project for startups, Startup project plan, Business start-up, Business Plan for Startup Business, Great Opportunity for Startup, Small Start-up Business Project, Best small and cottage scale industries, Startup India, Stand up India, Small Scale Industries, New small scale ideas for Industrial Colourants,

Tags

Industrial Polymers Business Ideas you can start on your own, Small scale Industrial Colourants, Guide to Starting and Operating Small Business, Business Ideas for Industrial Fillers, How to start Industrial Polymers business, Start Your Own Industrial Fillers Business, Industrial Colourants Business Plan, Business plan for Industrial Additives, Small Scale Industries in India, Industrial Polymers Based Small Business Ideas in India, Small Scale Industry You Can Start on Your Own, Business plan for small scale industries, Profitable Small Scale Manufacturing, How to Start Small Business in India, Free Manufacturing Business Plans, Small and Medium Scale Manufacturing, Profitable Small Business Industries Ideas, Business ideas for Startup

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Process Technology Book on**

Industrial Polymers, Additives, Colourants and Fillers

(Stabilizers, Pigments, Olefin Copolymers, Polyacrylamide, Polysulfone, Polymerization, Allyl Resins (DAP/DAIP), Fluoropolymers, Poly (Vinylidene, Resin Forms, Polyamide-Imide (PAI), Polycarbonate (PC), Fillers, Calcium Carbonate, Fillers, Kaolin, Fillers, Mica)

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NIIR PROJECT CONSULTANCY SERVICES

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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



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How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*



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?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*



Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *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*



Sectors We Cover Cont...

- *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*



Sectors We Cover Cont...

- *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*
- *Food, Bakery, Agro Processing*



Sectors We Cover Cont...

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitability Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*



Sectors We Cover Cont...

- *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.*



Sectors We Cover Cont...

- *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.*

Sectors We Cover Cont...

- *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*



Sectors We Cover Cont...

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*



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