Recycling of Waste Plastics: Starting a Business
How to Start a Plastic Recycling Manufacturing Business
Plastic Reprocessing Unit, Indian Plastic Recycling Industry

Introduction

The plastics industry has developed considerably since the invention of various routes for the production of polymers from petrochemical sources. Plastics have substantial benefits in terms of their low weight, durability and lower cost relative to many other material types. A major portion of plastic produced each year is used to make disposable items of packaging or other short-lived products that are discarded within a year of manufacture. These two observations alone indicate that our current use of plastics is not sustainable.
Recycling is one of the most important actions currently available to reduce these impacts and represents one of the most dynamic areas in the plastics industry today. Recycling provides opportunities to reduce oil usage, carbon dioxide emissions and the quantities of waste requiring disposal.

Plastic recycling refers to the process of recovering waste or scrap plastic and reprocessing it into useful product. Due to the fact that plastic is non-biodegradable, it is essential that it is recycled as part of the global efforts to reducing plastic and other solid waste in the environment.
Markets and uses for recycled plastics are rapidly expanding. Plastic containers are being collected at the curb for recycling in nearly 500 communities, representing more than 4 million households. Demand for recycled plastic will continue to expand and new markets will develop as technologies permit the efficient segregation and reprocessing of high-purity resins. Improved quality of resins, environmental issues and higher prices for virgin resin will contribute to growth.
Waste is now a global problem, and one that must be addressed in order to solve the world's resource and energy challenges. Plastics are made from limited resources such as petroleum, and huge advances are being made in the development of technologies to recycle plastic waste among other resources. Mechanical recycling methods to make plastic products and feedstock recycling methods that use plastic as a raw material in the chemical industry have been widely adopted, and awareness has also grown recently of the importance of Thermal recycling as a means of using plastics as an energy source to conserve petroleum resources.
Plastics have their impact on the environment through all stages of their existence from manufacture, to utilization and disposal. Manufacturing requires significant quantities of fossil fuels, a non-renewable resource. Burning of plastic releases smoke which contaminates the environment. The smoke contains small particulates, hazardous substances and greenhouse gases.
The disposal of plastics products also contributes significantly to their environmental impact. Most plastics are not biodegradable and can persist in the environment for many years. Plastics can cause blockage of drainage and sewage systems resulting in water logging, flooding and spread of water born diseases. With more and more plastics products, particularly packaging, being disposed of soon after their purchase, the landfill space required by plastics waste is a growing concern. Thus, due to demand it is a good project for entrepreneurs to invest.
Few Indian Major Players are as under

- Aadi Industries Ltd.
- Electro Polychem Ltd.
- K S M Exports Ltd.
- Khaitan Mercantile Ltd.
- Petro Plast Industries Ltd.
- Promising Exports Ltd.
- Rishi Techtex Ltd.
- Shree Datta Inds. (India) Ltd.
- Shyam Textiles Ltd.
- Suprapti Plastics Ltd.
- Tarajyot Polymers Ltd.
- U I C Udyog Ltd.
- V H C L Industries Ltd.
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<table>
<thead>
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<th>COST OF PROJECT</th>
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## PROJECT AT A GLANCE

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## PROJECT AT A GLANCE

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Major Queries/Questions Answered in the Report?

1. What is Plastic Waste Recycling industry?
2. How has the Plastic Waste Recycling industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of a Plastic Waste Recycling Plant?
4. What are the requirements of Working Capital for setting up a Plastic Waste Recycling plant?
4. What is the structure of the Plastic Waste Recycling Business and who are the key/major players?
6. What is the total project cost for setting up a Plastic Waste Recycling Plant?

7. What are the operating costs for setting up a Plastic Waste Recycling Plant?

8. What are the machinery and equipment requirements for setting up a Plastic Waste Recycling Plant?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Plastic Waste Recycling Plant?

10. What are the requirements of raw material for setting up a Plastic Waste Recycling Plant?
11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Plastic Waste Recycling Plant?

12. What is the Manufacturing Process and Formulations of a Plastic Waste Recycling Plant?

13. What is the total size of land required for setting up a Plastic Waste Recycling Plant?

14. What will be the income and expenditures for a Plastic Waste Recycling Plant?

15. What are the Projected Balance Sheets of a Plastic Waste Recycling Plant?
16. What are the requirement of utilities and overheads for setting up a Plastic Waste Recycling Plant?

17. What is the Built up Area Requirement and cost for setting up a Plastic Waste Recycling Business?

18. What are the Personnel (Manpower) Requirements for setting up a Plastic Waste Recycling Business?

19. What are Statistics of Import & Export for Plastic Waste Recycling Plant?

20. What is the time required to break-even?
21. What is the Break-Even Analysis of a Plastic Waste Recycling Plant?

22. What are the Project financials of a Plastic Waste Recycling Plant?

23. What are the Profitability Ratios of a Plastic Waste Recycling Plant?

24. What is the Sensitivity Analysis-Price/Volume of a Plastic Waste Recycling Plant?

25. What are the Projected Pay-Back Period and IRR of a Plastic Waste Recycling Plant?

27. What are the Market Opportunities for setting up a Plastic Waste Recycling Plant?

28. What is the Market Study and Assessment for setting up a Plastic Waste Recycling Plant?

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Site Development Expenses
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- Market Research Reports
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3. Economic feasibility study of the Project
4. Market potential survey/research
5. Report Compilation

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- Embassies & Consulates
- Consultancies
- Industry / trade associations

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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
- 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  

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

- 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

- 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

- 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  

- 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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