

# How to Start Recycling Business of PET Bottle - *Recycling Business Ideas*



# Introduction

Polyethylene terephthalate or PET (also known as PETE) is one of the most common types of plastic. Most single-serve plastic bottles, including those for water, soft drinks and juices, are made with PET. Designated by the recycling code “1”. Being extremely light, PET bottles help to reduce the emission of contaminants during their transport.

Since they require less fuel during transport, they also help saving energy. PET is globally recognized as a safe, recyclable packaging material. PET is the main constituent in a variety of consumer and industrial products including plastic fibers, videotape, audiotape, film, engineered resin, food containers.



PET recycling is the process of reprocessing plastic that already has been used before and giving it some new reusable form. For instance, this could mean melting down soft drink bottles and then casting them as plastic chairs and tables. Typically a plastic is not recycled into the same type of plastic, and products made from recycled plastics are often not recyclable. Thus, it is a good project for entrepreneurs to invest.

# Few Indian Major Players are as under

- Allen Laboratories Ltd.
- Dhunseri Petrochem & Tea Ltd.
- F C L Technologies & Products Ltd. [Merged]
- Filaments India Ltd.
- Futura Polymers Ltd. [Merged]
- Garden Polymers Pvt. Ltd.
- Jauss Polymers Ltd.
- L-Pack Polymers Ltd.



- **Mold-Tek Packaging Ltd.**
- **Pearl Engineering Polymers Ltd.**
- **Pearl Polymers Ltd.**
- **Polycon International Ltd.**
- **Radico Khaitan Ltd.**
- **Sachi Molding Solutions Pvt. Ltd.**
- **Sen Pet (India) Ltd.**
- **Shripet Cybertech Systems Ltd.**
- **South Asian Petrochem Ltd. [Merged]**
- **Sunrise Containers Ltd.**



# Project at a Glance

PROJECT AT A GLANCE				(Rs. in lacs)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	40.00	40.00	Capital	0.00	112.85	112.85
Buildings	0.00	127.25	127.25	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	129.82	129.82	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	62.00	62.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	338.54	338.54
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	13.00	13.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	43.32	43.32				
<b>TOTAL</b>	<b>0.00</b>	<b>451.39</b>	<b>451.39</b>	<b>TOTAL</b>	<b>0.00</b>	<b>451.39</b>	<b>451.39</b>





# Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS				Per Share	Per Share				
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs	No.of Times	%
1-2	4.35	8.26	14.35	24.00	0.00	100.00	4.35	0.00	4.35	1.00	0.00
2-3	7.65	11.08	22.00	18.00	0.00	100.00	7.65	0.00	7.65	1.00	0.00
3-4	10.85	13.88	32.85	12.00	0.00	100.00	10.85	0.00	10.85	1.00	0.00
4-5	13.89	16.57	46.74	6.00	0.00	100.00	13.89	0.00	13.89	1.00	0.00
5-6	16.74	19.11	63.48	0.00	0.00	100.00	16.74	0.00	16.74	1.00	0.00



# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribut ion	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.24	1.24		1.67	1.67	2.92		10.13%	4.19%	2.96%	536.41	32.39%	2.71	1.00
2-3	1.59	1.41		0.82	0.82	1.75		11.87%	6.81%	4.47%	625.80	32.39%	2.91	1.19
3-4	2.00	1.59	1.99	0.37	0.37	1.08		13.03%	8.65%	5.55%	715.20	32.39%	2.93	1.44
4-5	2.47	1.78		0.13	0.13	0.69		13.80%	9.93%	6.31%	804.60	32.39%	2.84	1.73
5-6	3.03	1.99		0.00	0.00	0.46		14.30%	10.82%	6.85%	894.00	32.39%	2.67	2.47



# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	63.60%
Total BEP (% of Installed Capacity)	66.59%

## IRR, PAYBACK and FACR

Internal Rate of Return .. ( In %age )	26.12%
Payback Period of the Project is ( In Years )	2 Years 4 Months
Fixed Assets Coverage Ratio ( No. of times )	11.807



# Table of Contents of the Project Report

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**1.4. Transportation and Communications**

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## **6. B.I.S. Specifications**

**6.1. 2828:1964 Glossary of terms used in the plastics industry**

**6.2. 7019:1982 Glossary of terms in plastics and flexible packaging, excluding paper (first revision)**

**6.3. 14534:1998 Guidelines for recycling of plastics**

## **7. Types of Plastic Recycling**

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- 9.7.8. Liquidity Ratios
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- 9.7.11. Cost as % ge of sales
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**17.2. Machinery Photographs**

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**Niir Project Consultancy Services (NPCS) can  
provide Detailed Project Report on**  
**How to Start Recycling Business**  
**of PET Bottle - Recycling**  
**Business Ideas**

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**An ISO 9001:2015 Company**





# Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*



# What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*



# 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*



- *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*



- *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*

- *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*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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