

Production of Biodegradable plastic Products.

Bioplastic Products Manufacturing Business.

Biodegradable Bags, plates and glasses Manufacturing Project.



Y-1490



Introduction

India is the third largest plastic consumer in the world, with a total consumption of plastics of about four million tons and a resulting waste production of about two million tons. Bioplastics are those plastic materials that are manufactured by using natural resources. There are two categories of these plastics available in the market — biodegradable bioplastics and non-biodegradable bioplastics.



Demand for bioplastics is increasing since past decade due to growing awareness concerning environmental conservation, use of bio-based or natural resources for manufacturing materials and formulation of various regulations across countries for effective use of natural resources and waste management. Products and solutions based on bioplastics/biopolymers present interesting opportunities globally. Opportunities are present across a variety of industrial sectors that include packaging, water, beverages, insulation materials, specialty materials and more.



Uses

- **Biodegradable plastics offer reduces carbon dioxide levels.**
- **Biodegradable plastics can reduce greenhouse gas emission levels.**
- **Biodegradable plastics are broken down by naturally-occurring bacteria.**
- **Biodegradable plastics do not release other dangerous items upon decomposition.**
- **Biodegradable plastics consume less energy during the manufacturing cycle.**
- **Biodegradable plastics reduce the amount of waste we produce.**
- **Biodegradable plastics would direct petroleum consumption to other needs.**

Market Outlook

With a population of 1.252 billion, Indian economy is one of the fastest growing economies of the world and a founding member of SAARC and G4 nations. Some of the largest cities in India are Mumbai, Delhi, Bangalore, Hyderabad, Chennai, Jaipur, Ahmedabad, and Kolkata. The country have low per capita income of USD 1165 and USD 5238 in PPP terms. In emerging economies like India, such concept are new and much related to cost associated with it. The cost of biodegradable plastic are three to ten times more than production of conventional plastic which might hinder the market growth. However, technological advancement and increasing demand from different sectors such as automobiles, packaging, healthcare, retail and agriculture, will lead to robust demand in Indian biodegradable plastic industry by 2020.

Various regulation laid down by government and growing concern for environment will lead to increasing demand for biodegradable plastic in coming years. The biodegradable plastic bags and sacks market have consolidated landscape owing to increasing strategic business activities. The key players operating in the biodegradable plastic bags and sacks market are trying to provide improved and versatile products. The players are focusing to offer high quality and biodegradable additives so as to gain more shares than other rivals. In addition, several players are indulging in strategic business activities such as mergers and acquisitions to improve their global presence. The increasing dependence of the medical and food industry on environmental-friendly plastic packaging is a notable factor catalyzing the market demand for biodegradable plastics bags and sacks The global biodegradable plastics market size to reach USD 6.73 billion by 2025. The starch based segment lead the global biodegradable market.

based plastics are used in various applications such as packaging, consumer electronics, agriculture, automotive and textiles The Global Biodegradable Plastic market is primarily driven by a positive attitude of government towards green procurement policies and superior characteristics of biodegradable plastics.

The government of different countries are initiating stringent actions for reducing the use of conventional plastics by implementing taxes on oil-based plastics and disallowing the use of conventional plastics. Rising consumer awareness about global warming and government legislation such as banned on plastic bags will increase the demand for biodegradable plastics across the globe. Plastics that decompose to carbon dioxide and water under the actions of microorganisms is known as biodegradable plastics. Packaging industry is leading segment in application of biodegradable plastics.

Increasing demand of biodegradable plastics as major packaging applications in food & beverage, textiles, pharmaceuticals and consumer goods is augmented to market growth over the forecasted period. Changing lifestyle of consumer along with increase in packaged food products demand in developed regions are boosting the demand for biodegradable plastics in packaging industries. Rising awareness among farmers to build green houses for production of fruits and vegetables has boosted the biodegradable plastics in agriculture application. Growing electronic, medical and automobile industry has also boosted the demand of biodegradable plastics market. Biodegradable plastics are a billion dollar growing industry that is pushed by the increased regulations and bans against plastic bags, plates , glasses and other single-use plastic items.

The demand for biodegradable plastics worldwide is growing as more people become concerned about plastic waste. Consumer awareness of sustainable plastic solutions, government interest in the reduction of greenhouse gas emissions, and a pervasive, general desire to eliminate fossil fuel independence are the reasons for the market growth. Western Europe combines all of these factors and implements biodegradable plastics even in household and business products, such as foam packaging, mulch films, textiles, implants and sutures, down hole tools for oil and gas field operations, 3-D printing filament, etc. Biodegradable plastics is widely used in the packaging & bags industry. It is expected to be the fastest-growing end-use industry segment of the biodegradable plastics market between 2018 and 2023.

Key player

Biopac, Natureworks LLC, Stora Enso, Clearwater Paper Corporation, Novamont S.P.A, Georgia-Pacific LLC, Rocktenn, Mondi Group, Smurfit Kappa Group, Kruger Inc. and BASF SE. Metabolix, BASF, Corbion NV, Natureworks, Biome Technologies, Mitsubishi Chemical, Plantic Technologies, Bio-On, Meredian, Tianan Biologic Materials, Mitsui Chemicals, Teijin, Tianjin Guoyun Biological Materials, Toray



Machinery Photographs



EXTRUDER



**AUTOMATIC THERMOFORMING
MACHINE**



CHILLER PLANT/UNIT



AIR COMPRESSOR

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propose d	Total
Land & Site							
Development Exp.	0.00	32.00	32.00	Capital	0.00	216.32	216.32
Buildings	0.00	44.25	44.25	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	156.55	156.55	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	5.00	5.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	35.00	35.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	10.00	10.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	648.97	648.97
Preliminary& Pre-				Debentures /			
operative Exp	0.00	3.00	3.00	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	15.00	15.00	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	564.50	564.50				
TOTAL	0.00	865.30	865.30	TOTAL	0.00	865.30	865.30

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	Per Share				No. of Times	
	`	`	`	`	`	%	`	%	`	s	%
1-2	7.53	9.17	17.53	24.00	0.00	100.00	7.53	0.00	7.53	1.00	0.00
2-3	10.02	11.43	27.55	18.00	0.00	100.00	10.02	0.00	10.02	1.00	0.00
3-4	12.51	13.73	40.05	12.00	0.00	100.00	12.51	0.00	12.51	1.00	0.00
4-5	14.96	16.03	55.02	6.00	0.00	100.00	14.96	0.00	14.96	1.00	0.00
5-6	17.38	18.30	72.39	0.00	0.00	100.00	17.38	0.00	17.38	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 Contribution	P/V Ratio		
	(Number of times)			(Number of times)	%	%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.34	1.34		1.37	1.37	4.51		25.39%	12.67%	8.34%	2193.74	112.31%	0.94	1.38
2-3	1.63	1.48		0.65	0.65	2.98		26.27%	14.77%	9.51%	1041.29	45.69%	0.96	1.41
3-4	1.98	1.63	1.98	0.30	0.30	2.13		26.86%	16.30%	10.39%	1153.90	44.30%	0.96	1.46
4-5	2.40	1.80		0.11	0.11	1.61		27.26%	17.42%	11.05%	1266.51	43.23%	0.95	1.53
5-6	2.91	1.98		0.00	0.00	1.27		27.52%	18.25%	11.55%	1379.12	42.36%	0.92	1.71

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	37.11%
Total BEP (% of Installed Capacity)	38.56%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	33.28%
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Payback Period of the Project is (In Years)	2 Year & 3 Month
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Fixed Assets Coverage Ratio (No. of times)	19.192
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Major Queries/Questions Answered in the Report?

- 1. What is Biodegradable plastic products Manufacturing industry ?**
- 2. How has the Biodegradable plastic products Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Biodegradable plastic products Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Biodegradable plastic products Manufacturing plant ?**

5. What is the structure of the Biodegradable plastic products Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up Biodegradable plastic products Manufacturing Business?

7. What are the operating costs for setting up Biodegradable plastic products Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up Biodegradable plastic products Manufacturing plant ?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Biodegradable plastic products Manufacturing plant ?

10. What are the requirements of raw material for setting up Biodegradable plastic products Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Biodegradable plastic products Manufacturing Business?

12. What is the Manufacturing Process of Biodegradable plastic products ?

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Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Biodegradable plastic products .” provides an insight into Biodegradable plastic products market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Biodegradable plastic products project. The report assesses the market sizing and growth of the Indian Biodegradable plastic products Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Biodegradable plastic products sector in India along with its business prospects. Through this report we have identified Biodegradable plastic products project as a lucrative investment avenue.

Tags

**#Corn_Starch_Bag, #Biodegradable_Packaging,
#Biodegradable_&_Compostable_Packaging,
#Biodegradable_Plastic_Bags_from_Corn, #Biodegradable_Plastic_Bags,
#Corn_Starch_Bag_Making, #Production_of_Cornstarch_Bag,
#Biodegradable_Corn
Starch_Bag_Manufacture, #Biodegradable_Corn_Starch_Bag_Production,
#Corn_Starch_Packaging, #Corn_Starch_Bag_Manufacture,
How_to_Make_Corn_Starch_Bags, Corn_Starch_Bag_Making_Unit, Corn
Starch_Bags_Manufacturing_Process, Biodegradable_Eco-Friendly
Disposable_Bags, Biodegradable_Plastic_Bag, Biodegradable_Disposable
Bags, Compostable_Plastic_Shopping_Bag, Biodegradable_and
Compostable_Alternatives_to_Conventional_Plastics, Compostable_Bag
Made_of_Corn_Starch, Starch_Bags:_an_Alternative_to_Plastic_Ones,**

Corn Starch Bags, Compostable Bag Made of Corn Starch, Corn Starch Biodegradable Bags, Corn Starch Biodegradable Bags, Compostable Bags, Biodegradable Bags Manufacturing Process, Eco-Friendly Corn Starch Bags, Biodegradable Plastic Bag Manufacturing Unit, Compostable and Biodegradable Bags Manufacturing, Production of Biodegradable and Compostable Bags, Eco Friendly Bag Making, Project Report on Biodegradable Bags Manufacturing Industry, Detailed Project Report on Biodegradable Bags Manufacturing, Project Report on Biodegradable Corn Starch Bag Production, Reinvestment Feasibility Study on Biodegradable Bags Manufacturing, Techno-Economic feasibility study on Biodegradable Corn Starch Bag Production, Feasibility report on Biodegradable Corn Starch Bag Production, Free Project Profile on Biodegradable Corn Starch Bag Production

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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

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- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



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- *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*



We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *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

Contact us

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<https://goo.gl/VstWkd>



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**Thank
You**

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