



**Eco-Friendly Profitable  
Business Ideas of**

# ***Compostable and Disposable Tableware***

***from Rice Straw and Wheat Straw.***

**Investment Opportunities in  
Production of Rice Straw and Wheat  
Straw Tableware  
Products.**



# Introduction



Straw is an agricultural byproduct consisting of the dry stalks of cereal plants after the grain and chaff have been removed. It makes up about half of the yield of cereal crops such as barley, oats, rice, rye and wheat. Wheat straw is the stalk left over after wheat grains are harvested. Traditionally, it has been treated as a waste. In some countries, farmers burn it, contributing to air pollution and creating a public health hazard. However, these stalks still have value. We reclaim this material and use it to make our wheat straw products.



These products are prevalent in fast food restaurants, takeaways, but also for airline meals. In private settings, this kind of disposable products has proven very popular with consumers who prefer easy and quick cleanup after parties, etc. Wheat straw contains cellulose which can be broken down and reprocessed into a number of different polymers that are often called bio plastics. Note that bio plastics are not necessarily compostable and the term bioplastic is sometimes loosely applied.

Hundreds of different fibrous plants can be manufactured into alternatives to tree-based paper products, most notably wheat, rice, hemp, flax, and sugar cane. In many agricultural processes, straw is treated merely as the agricultural waste that remains after grain or juice is extracted from crops.



For World Centric, straw is a valuable resource that can be fashioned into disposable products like plates, take out containers, bowls etc. Biodegradable Tableware is the cutlery and crockery or tableware which are compostable and easily degradable by the action of microbes. These are made up of sugarcane bagasse, bamboo, paper pulp, bagels, rice husk, coconut coir, and other disposable material viz. biodegradable plastic.



## *Market Outlook*

Biodegradable tableware, as the name suggests, are fully compostable and biodegradable; hence, they are widely used globally in order to reduce plastic waste and greenhouse emissions, such as methane emissions. This type of tableware can be made from sugarcane bagasse, bamboo, paper pulp, and other disposable material. These tableware are superior in strength and are environment friendly. Biodegradable tableware include food containers and tableware such as bowls, plates, cups and meal trays, which decompose within 30 to 60 days after being discarded. Increasing preference for environment-friendly tableware and rising concerns regarding the ill-effects of plastic tableware are boosting the biodegradable tableware market. Rising emphasis on non-toxic & petroleum-free is expected to drive the demand for Biodegradable Tableware in the residential and commercial segments.

Rising disposable income along with increasing consumer awareness about the benefits associated with the use of biodegradable tableware is expected to drive the market. Additionally, increasing economic awareness about the use of plastic and other toxic material tableware, in terms of their price, among consumers provides them the benefit of choice and also simultaneously creates competition in the market in order to produce best quality products. In India, biodegradable products made from bamboo were traditionally used in rural areas; over the years, this trend has spread to the urban areas as well. However, in certain parts of the globe, these tableware, especially those made from bamboo, are expensive. Consumer product packaging and disposable eating products made of biodegradable material such as corn, sugarcane, husk, and other plant bases possess numerous environmental advantages over non-biodegradable products. These factors coupled with rising investment and development is anticipated to boost to the market.

The global biodegradable tableware market can be segmented based on material, product type, distribution channel, and region. Based on material, the biodegradable tableware market can be classified into paper, bagasse, bamboo, palm leaf, wheat bran, and others (wheat, straw, paper pulp, etc.). In terms of product type, the global biodegradable tableware market can be divided into cups, plates, bowls, silverware, and others (straws and stirrers, flatware, etc.). Based on distribution channel, the market can be bifurcated into online and offline [large format stores, (hypermarkets, supermarkets, departmental stores), specialty stores, small retail stores]. Compostable tableware's products are used for serving food. These products are biodegradable and release valuable nutrients into the soil, aiding the growth of trees and plants when they breakdown. Compostable plates can be placed into the compost bin after use.



These products degrade within several months in an industrial composting facility and produce no toxic residues. These plates are reusable and are made up of renewable resources. These renewable sources are made from all-natural materials such as agricultural residues, palm leaves, bagasse, bamboo, and cornstarch-based PLA plastic. These eco-friendly tableware's are sturdy enough to hold hot or cold food and easily gets biodegraded after use. Compostable plates and bowls are the perfect solutions for emerging green businesses. The growing awareness about the adverse effects of plastic such as massive plastic pollution and its grave consequences on aquatic and aerial creatures after dumping this product into the sea are the major driving factors for the growth of compostable tableware market. The increasing demand for safe, sustainable and environmental friendly cutlery owing to the rising number of fast food restaurants and cafeterias is boosting the compostable tableware market.

Compostable disposables are a viable alternative that provides the convenience of disposable plates when used in catering for parties, picnics or other occasions along with an added advantage of no negative impact to the eco-system. However, the lack of awareness about the benefits of compostable tableware's and the poor management of organic waste hampers the growth of compostable tableware market. The cost of compostable tableware is also higher as compared to the traditional disposables. Moreover, the rising enforcement of environmental laws and the growing need for better waste management is anticipated to create an opportunity for the growth of compostable tableware market. The geographies, Asia Pacific dominates the compostable tableware market owing to the growth of the compostable tableware producing companies in this region. In addition, the governmental initiatives to promote the usage of environment-friendly products are also anticipated to boost the growth of the compostable tableware market in the Asia-Pacific region.

owing to the huge investments and development by private as well as government sectors in the development of compostable tableware market. The global compostable tableware market covers segments such as type and end-user. On the basis of type, the global compostable tableware market is categorized into bowl and lids, cups and lids, portion cups and lids, containers and lids, plates, reusable dishware, straw and cup sleeves, compostable spoons, and others. On the basis of end-user, the global compostable tableware market is categorized into household, food joints & takeaways, hotels, and others. The biodegradable tableware is the eco-friendly tableware which is made from waste materials like sugarcane bagasse, rice husk, coconut coir. The rise in awareness of the environment pollution drives the biodegradable tableware market globally. However, consumer behavior towards the use of the biodegradable cutlery could be the challenge for the market.

Increasing demand for the foodservice industry might create an opportunity for the market in the coming future. However, the cost of biodegradable tableware is very high as compared to conventional cutlery and crockery. Thus, the high cost of biodegradable tableware might hamper the market. Currently there are enormous waste of disposable tableware around the world, especially in the developing countries; with more and more consumers having strong environmental protection consciousness and the government continuously promulgate legislation to protect the environment to reduce waste. In future more and more disposable tableware will be made of the bioplastic like PLA resin, CPLA (modified PLA), and Starch Blends etc. and the bioplastic tableware will play more and more important roles. Plastic straw consumption in the world was increasing by leaps and bounds before the last 2-3 years.

However, rising intolerance towards plastic straws, growing consumer demand for eco-friendly straws and globally increasing government reforms and campaigns to ban plastic straws are likely to offer a positive outlook for the paper straws market. On-the-go consumers demand more than convenience from their products. They are increasingly aware of their choices and are picking more sustainable options.

More than ever, consumers are demanding flexibility in their meal options. Generally, they are looking for speed and convenience. The availability of online ordering and delivery services allows the enjoyment of eating out while still tending to their busy lives. As this trend continues to rise, the establishments that serve them must be prepared to package a meal for takeout or delivery while ensuring the best eating experience for their guests. This includes containers, wraps and bags, among others. The single-use items utilized must prevent spills, provide convenience, and best represent the image that the foodservice establishment is trying to achieve.

World Centric plant-fiber food service products are currently made from wheat straw. In the past, we relied more heavily on bagasse (sugar cane fiber that remains after juice is extracted) and we may shift to other plant inputs in the future, as the market for agricultural waste grows and changes. The wheat straw that we use comes from the stalks of wheat plants. The stalks of wheat plants do not store protein, gluten, or allergens. Those are stored in the grains, and our products do not contain gluten or allergens. Our products meet FDA standards for food contact, and they meet FDA standards for gluten-free, non-allergenic products. Disposable cups made from bio plastics or other such materials is predicted to garner surplus demand in the years to come. Such favorable consumer preferences, coupled with rising consumption of fast in the world, will also continue consolidating the growth of global disposable cups market. Global market for disposable cups projects that by the end of 2026, more than US\$ 21.2 Bn worth of disposable cups will be sold globally.

## Key Players

- Huhtamäki Oyj,
- Hoffmaster Group Inc. (Aardvark),
- Biopac UK Ltd,
- Vegware Ltd,
- U.S. Paper Straw, T
- he Paper Straw Co,
- Austraw Pty Ltd T/as Bygreen,
- Footprint LLC, Okstraw,
- Transcend Packaging Ltd,
- PT. Strawland,
- TIPI Straws,
- MPM Marketing Services Pty Ltd,

- Canada Brown Eco Products Ltd,
- Aleco Straws Co. Ltd,
- Zhengzhou Gstar Plastics Co., Ltd,
- YIWU JinDong Paper Co., Ltd,
- Sharp Serviettes,
- GP Paper Straw Sdn Bhd,
- The Blue Straw.



# Machinery Photography



**Trimming Machine**



**Belt conveyor**

# Project at a Glance

<b>Production Capacity</b>	<b>:</b>	<b>5 Ton / Day</b>
<b>Plant and Machinery Cost</b>	<b>:</b>	<b>21 Crore</b>

# **Major Queries/Questions Answered in the Report?**

- 1. What is Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing industry ?**
- 2. How has the Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**

- 5. What is the structure of the Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing Business?**
- 7. What are the operating costs for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing Business?**
- 12. What is the Manufacturing Process of Compostable & Disposable Tableware from Rice/Wheat Straw ?**

- 13. What is the total size of land required for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant ?**
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- 25. What are the Projected Pay-Back Period and IRR of Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant?**
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**27. What are the Market Opportunities for setting up Compostable & Disposable Tableware from Rice/Wheat Straw Manufacturing plant?**

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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 Compostable & Disposable Tableware from Rice/Wheat Straw.” provides an insight into Compostable & Disposable Tableware from Rice/Wheat Straw market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Compostable & Disposable Tableware from Rice/Wheat Straw project. The report assesses the market sizing and growth of the Indian Compostable & Disposable Tableware from Rice/Wheat Straw 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 Compostable & Disposable Tableware from Rice/Wheat Straw sector in India along with its business prospects. Through this report we have identified Compostable & Disposable Tableware from Rice/Wheat Straw project as a lucrative investment avenue.**

# Tags

#compostable #compostabletableware #disposabletableware #Disposable  
#compostable #ecofriendly #wheatstraw #disposabletableware  
#disposabletablewaremarket #bagasse #DetailedProjectReport  
#businessconsultant #Manufacturing #BusinessPlan  
#marketresearchreport #ProjectReportForBankLoan #entrepreneurship  
#businessbook #futurebusiness #smallbusiness  
#PreFeasibilityandFeasibilityStudy #feasibilityreport  
#businessfeasibilityreport #businessconsulting #MarketReseach  
#businessplans #projectconsultancy #BusinessFeasibilityStudies  
#technologyindustry #businessplanning #projectplans How to Start  
Compostable & Disposable Tableware from Rice/Wheat Straw Processing  
Industry in India, Compostable & Disposable Tableware from Rice/Wheat  
Straw Processing Industry in India,

Most Profitable Compostable & Disposable Tableware from Rice/Wheat Straw Processing Business Ideas, Compostable & Disposable Tableware from Rice/Wheat Straw Processing & Rice/Wheat Straw Based Profitable Projects, Compostable & Disposable Tableware from Rice/Wheat Straw Processing Projects, Small Scale Compostable & Disposable Tableware from Rice/Wheat Straw Processing Projects, Starting a Compostable & Disposable Tableware from Rice/Wheat Straw Processing Business, How to Start a Compostable & Disposable Tableware from Rice/Wheat Straw Production Business, Compostable & Disposable Tableware from Rice/Wheat Straw Based Small Scale Industries Projects, new small scale ideas in Compostable & Disposable Tableware from Rice/Wheat Straw processing industry, Compostable & Disposable Tableware from Rice/Wheat Straw Making Small Business Manufacturing, Small scale Compostable & Disposable Tableware from Rice/Wheat Straw making machine,

Compostable & Disposable Tableware from Rice/Wheat Straw production line, Compostable & Disposable Tableware from Rice/Wheat Straw making machine factory, Modern small and cottage scale industries, Profitable small and cottage scale industries, Setting up and opening your Compostable & Disposable Tableware from Rice/Wheat Straw Business, How to Start a Compostable & Disposable Tableware from Rice/Wheat Straw business?, How to start a successful Compostable & Disposable Tableware from Rice/Wheat Straw business, Small scale Commercial Compostable & Disposable Tableware from Rice/Wheat Straw making, Best small and cottage scale industries, Compostable & Disposable Tableware from Rice/Wheat Straw Business, Profitable Small Scale Manufacturing, Feasibility Reports List, Detailed Project Reports List, Project Reports, Niir Project Consultancy Services, NPCS, Niir.Org, Business Ideas, Entrepreneur, Business Plan, Technology Book, Manufacturing Business, Detailed Project Report,

Market Research Report, Techno-Economic Feasibility Study, Feasibility Report, Project Report & Profile, Project Consultancy, Startup, Small Business, Database, Technologies, Project Opportunities, Manufacturing Process, Technology Books, Business Listing, Business Books, Entrepreneur India Magazine, Small Scale Industries Consultancy for Compostable & Disposable Tableware from Rice/Wheat Straw,

**Niir Project Consultancy Services (NPCS)  
can provide Detailed Project Report on  
Eco-Friendly Profitable Business Ideas of  
Compostable & Disposable Tableware from Rice Straw  
and Wheat Straw.**

**Investment Opportunities in Production of Rice  
Straw and Wheat Straw Tableware Products.**

**See more**

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## Reports:

### ▪ Detailed Project Reports

**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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- **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](#)**



# Contact us

## **NIIR PROJECT CONSULTANCY SERVICES**

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# **Niir PROJECT CONSULTANCY SERVICES**

**An ISO 9001:2015 Company**



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# 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*

*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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# Thank You

**For more information, visit us at:**

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