Biodegradable Disposable Plastic Cutlery.
(Eco Friendly Compostable Spoons Cutlery)
India is slowly becoming a country where people are turning health conscious. Thankfully, biodegradable cutlery has emerged as a better alternative to plastics across the globe and Indians have been early adopters of biodegradable products.
These Cutlery is fully compostable and biodegradable in approximately 100 days in properly maintained compost facilities. These eco-friendly products are perfect for restaurants, cafeterias, business functions, trade shows, festivals and fairs, catering. Compostable or biodegradable bio-plastics, most commonly used for utensils, are marketed as a sustainable alternative to single-use plastic.

More and more people are becoming environmentally conscious every day and are taking the necessary steps to protect the environment. Businesses that embrace the concept of being eco-friendly can realize a wide range of benefits from doing so.
One of the business industries in which compostable products can be used the most is in the food industry. Both dine-in and takeout restaurants have the opportunity to incorporate eco-friendly products into their operations in the form of plates and cutlery.

The Global Biodegradable Cutlery Market sales were 845 million pieces in 2016, and it will be 1274 million pieces in 2023; while the revenue of Biodegradable Cutlery Market was 30.5 million USD in 2016 and forecast to accomplish 38.9 million USD in 2023, with a CAGR of 5.5% by 2023. Increasing awareness regarding harmful effects associated with non-biodegradable plastic wastes is a key factor likely to drive the market in the forecast period.
Disposable cutlery, unlike the traditional disposable cutlery made from steel, is single-use cutlery. It is also comparatively cheaper than steel cutlery. Additionally, due to its lightweight it can be carried easily and is most favourable for on-the-go food.

The increasing use of plastic in our day-to-day life is creating a lot of plastic waste and regulatory authorities in various parts of the world are posing bans on the use of plastic. To overcome this challenge, foodservice packaging manufacturers use plant-based raw materials for manufacturing single-use packaging like disposable cutlery, plates, bowls, and trays.
Expansion in bio-based foodservice manufacturing capabilities may benefit disposable cutlery manufacturers during the forecast period. Furthermore, in recent years several manufacturers are looking for positive opportunities in edible disposable cutlery made of wheat bran, rice, corn, and sorghum. Additionally, edible disposable cutlery reduces CO2 emissions by tons.
Global Disposable Cutlery Market Revenue, By Product, 2017 (US$ Mn)
As per product type, the global disposable cutlery market is segmented into fork, spoon, and knife. Rising demand for eco-friendly, safe, and sustainable cutlery owing to increasing number of restaurants, fast food joints, and cafeterias is fueling the demand for biodegradable plates and cups. Environment friendly cutleries are a feasible alternative that offers the convenience of disposable plates, cups, and spoon in picnics, parties, and other occasions. Moreover, they do not have any negative impact on the environment.
Global Biodegradable Cutlery Market Share, By Region, 2018 (%)
The Biodegradable Cutlery Market is segmented based on raw materials, products, composition and end user. The biodegradable cutlery is mainly made from PLA resin, CPLA (modified PLA), and Starch Blends. In general, the plant starch biodegradable cutlery is made from 70% renewable resources and 30% fillers like polypropylene and talc. PLA is a bio-based plastic derived from renewable resources such as maize starch, tapioca roots, or sugar cane. 100% cutlery is made from recode bio-plastic, produced from a rapidly renewable starch sourced from non-GMO crops.
Growth will be driven by the increased options and convenience of meals prepared or consumed away from home. Demand will also be supported by a shift toward the use of higher value products featuring durable plastic or compostable materials.

1. What is Biodegradable Disposable Plastic Cutlery Manufacturing industry?

2. How has the Biodegradable Disposable Plastic Cutlery Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Biodegradable Disposable Plastic Cutlery Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?
5. What is the structure of the Biodegradable Disposable Plastic Cutlery Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?

7. What are the operating costs for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

10. What are the requirements of raw material for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?

12. What is the Manufacturing Process of Biodegradable Disposable Plastic Cutlery?
13. What is the total size of land required for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

14. What will be the income and expenditures for Biodegradable Disposable Plastic Cutlery Manufacturing Business?

15. What are the Projected Balance Sheets of Biodegradable Disposable Plastic Cutlery Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?
18. What are the Personnel (Manpower) Requirements for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?

19. What are Statistics of Import & Export for Biodegradable Disposable Plastic Cutlery?

20. What is the time required to break-even of Biodegradable Disposable Plastic Cutlery Manufacturing Business?

21. What is the Break-Even Analysis of Biodegradable Disposable Plastic Cutlery Manufacturing plant?

22. What are the Project financials of Biodegradable Disposable Plastic Cutlery Manufacturing Business?

www.entrepreneurindia.co
23. What are the Profitability Ratios of Biodegradable Disposable Plastic Cutlery Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Biodegradable Disposable Plastic Cutlery Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Biodegradable Disposable Plastic Cutlery Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Biodegradable Disposable Plastic Cutlery Manufacturing project?
27. What are the Market Opportunities for setting up Biodegradable Disposable Plastic Cutlery Manufacturing plant?

28. What is the Market Study and Assessment for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?

29. What is the Plant Layout for setting up Biodegradable Disposable Plastic Cutlery Manufacturing Business?
Table of Contents of the Project Report
Our Detailed Project Report contains

- Introduction
- Properties
- Uses & Applications
- List of Plant & Machineries
- Miscellaneous Items and Accessories
- Instruments, Laboratory Equipments and Accessories
- Electrification, Electric Load and Water
- Maintenance, Suppliers/Manufacturers of Plant and Machineries
• Process of Manufacture
• Flow Sheet Diagram
• List of Raw Materials
• Availability of Raw Materials
• Requirement of Staff & Labour
• Skilled & Unskilled Labour
• Requirement of Land Area
• Built up Area
• Plant Layout
Project Financials

- Project at a Glance
- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building
- Factory Land & Building
- Site Development Expenses
- Plant & Machinery: [Indigenous Machineries, Other Machineries (Miscellaneous, Laboratory etc.)]
- Other Fixed Assets: [Furniture & Fixtures, Pre-operative and Preliminary Expenses, Technical Knowhow, Provision of Contingencies]
- Working Capital Requirement Per Month: [Raw Material, Packing Material, Lab & ETP Chemical Cost, Consumable Store]
• Overheads Required Per Month and Per Annum…………………………..8
Utilities & Overheads (Power, Water and Fuel Expenses etc.)
Royalty and Other Charges
Selling and Distribution Expenses

• Salary and Wages ..................................................................................9

• Turnover Per Annum .............................................................................10

• Share Capital..............................................................................................11
  Equity Capital
  Preference Share Capital

www.entrepreneurindia.co
• Annexure 1 :: Cost of Project and Means of Finance

• Annexure 2 :: Profitability and Net Cash Accruals

- Revenue/Income/Realisation
- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals
• Annexure 3 :: Assessment of Working Capital requirements

- Current Assets
- Gross Working Capital
- Current Liabilities
- Net Working Capital
- Working Note for Calculation of Work-in-process

• Annexure 4 :: Sources and Disposition of Funds
• Annexure 5 :: Projected Balance Sheets
  ❖ ROI (Average of Fixed Assets)
  ❖ RONW (Average of Share Capital)
  ❖ ROI (Average of Total Assets)

• Annexure 6 :: Profitability Ratios
  ❖ D.S.C.R
  ❖ Earnings Per Share (EPS)
  ❖ Debt Equity Ratio
Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P
- Annexure 8 to 11 :: Sensitivity Analysis - Price/Volume

- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
• Annexure 12 :: Shareholding Pattern and Stake Status
  - Equity Capital
  - Preference Share Capital
• Annexure 13 :: Quantitative Details-Output/Sales/Stocks
  - Determined Capacity P.A of Products/Services
  - Achievable Efficiency/Yield % of Products/Services/Items
  - Net Usable Load/Capacity of Products/Services/Items
  - Expected Sales/ Revenue/ Income of Products/ Services/ Items
• Annexure 14 :: Product wise Domestic Sales Realisation

• Annexure 15 :: Total Raw Material Cost

• Annexure 16 :: Raw Material Cost per unit

• Annexure 17 :: Total Lab & ETP Chemical Cost

• Annexure 18 :: Consumables, Store etc.

• Annexure 19 :: Packing Material Cost

• Annexure 20 :: Packing Material Cost Per Unit
<table>
<thead>
<tr>
<th>Annexure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Employees Expenses</td>
</tr>
<tr>
<td>22</td>
<td>Fuel Expenses</td>
</tr>
<tr>
<td>23</td>
<td>Power/Electricity Expenses</td>
</tr>
<tr>
<td>24</td>
<td>Royalty &amp; Other Charges</td>
</tr>
<tr>
<td>25</td>
<td>Repairs &amp; Maintenance Expenses</td>
</tr>
<tr>
<td>26</td>
<td>Other Manufacturing Expenses</td>
</tr>
<tr>
<td>27</td>
<td>Administration Expenses</td>
</tr>
<tr>
<td>28</td>
<td>Selling Expenses</td>
</tr>
</tbody>
</table>
• Annexure 29 :: Depreciation Charges – as per Books (Total)
• Annexure 30 :: Depreciation Charges – as per Books (P & M)
• Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)
• Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)
• Annexure 33 :: Interest and Repayment - Term Loans
• Annexure 34 :: Tax on Profits
• Annexure 35 :: Projected Pay-Back Period and IRR
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Biodegradable Disposable Plastic Cutlery. (Eco Friendly Compostable Spoons Cutlery)

See more
Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955
Mobile: +91-9811043595
Fax: +91-11-23845886

Website: www.entrepreneurindia.co, www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd
Follow us

- https://www.linkedin.com/company/niir-project-consultancy-services
- https://www.facebook.com/NIIR.ORG
- https://www.youtube.com/user/NIIRproject
- https://plus.google.com/+EntrepreneurIndiaNewDelhi
- https://twitter.com/npcs_in
- https://www.pinterest.com/npcsindia/
For more information, visit us at:
www.niir.org
www.entrepreneurindia.co