**Disposable Thermocol Glass**, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant Polystyrene Foams, PS Foam, Use and Throw Crockery, Disposable Tableware, **Disposable Foodservice Products** 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, plant layout, process flow sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis



#### Introduction

Disposable products have an urban as well as rural market. These products are mostly used during social functions, religious gatherings, parties, marriages, outings, in sweet shops, by caterers etc. The products have many advantages and are hence preferred as compared to standard utensils/crockery for serving eatables. They can easily be disposed off after use and hence save a lot of labour as far as cleaning/drying of utensils are concerned. These are easily transportable and easy to handle.





In our country people are religious and organize functions throughout the year all such occasions call for social gathering and celebrations with meals, snacks sweets being served. Further, our vast population organizes marriages, celebrates birthdays and other family functions on a regular basis. Sweet shops and small eateries can be found at every street corner and all such joints use these disposable plates and bowls.

Due to the recent change in the life style of urban class the demand for disposable cups is increasing at a rapid rate.



Disposable plates, bowls, drinks cups and other forms of food containers help to give us the option of eating away from home without disturbing the nutritional value of eatables. In addition to social occasions, such as picnics or barbecues, many people eat away from home at school, work or in other environments. Disposable food containers are also a great convenience when holding a party or catering for a large number of people. World's major food and beverage industries prefer the disposable packaging to avoid washing trouble.



Traditionally, disposable tableware was quite limited in its range but today, there is a great and varied range of styles and materials to choose from. Due to this, catering disposables are a basic essential for professionals operating in the hotel and catering profession.

The most obvious benefit to having catering disposables is that it makes the tidy down much easier. There are no plates, dishes, cups and glasses to be washed. Simply sweeping everything into the rubbish is all that is needed, allowing the rest of the cleaning operation to take place quickly and effectively.



Usage of disposables is a great step towards preventing food-borne diseases. As they are used only once thus these products significantly lower the food contamination and spread of diseases.

Disposable Thermocol Products and dishes are very much needed in many outdoor events. Disposable Thermocol Products are becoming more and more popular across the globe as a way to become more eco-friendly and reduce exposure to food borne infections.









**Disposable Thermocol Products demand are majorly** originating from food canteens, industrial canteen, restaurants, coffee or tea shop, fast food, super markets, takeout restaurants and kiosks, and catering establishments, Street Food, Chaat, Small Catering, health clubs and event organizers. Food serving items for picnics and parties is very similar. Disposable foodservice products are plates, bowls, cups, utensils, doilies and tray papers.

Considering the above factors, demand of disposable Products is expected to increase faster in future.



#### **Reasons for buying the 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



The report titled "Market Survey cum Detailed Techno Economic Feasibility Report on Thermocol Cups, Glass and Plates" provides an insight into the Thermocol Cups, Glass and Plates market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Thermocol Cups, Glass and Plates project. The report assesses the market sizing and growth of the Indian Thermocol Cups, Glass and Plates 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 Thermocol Cups, Glass and Plates sector in India along with its business prospects. Through this report we have identified Thermocol Cups, Glass and Plates project as a lucrative investment avenue.



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	25.00	25.00	Capital	0.00	124.11	124.11			
Buildings	0.00	71.20	71.20	Share Premium	0.00	0.00	0.00			
Plant & Machineries	0.00	244.02	244.02	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	34.00	34.00	Cash Subsidy	0.00	0.00	0.00			
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00			
Franchise & Other Deposits	0.00	0.00		Long/Medium Term Borrowings	0.00	372.33	372.33			
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00			
Provision for Contingencies	0.00	24.00	24.00	Unsecured Loans/Deposits	0.00	0.00	0.00			
Margin Money - Working Capital	0.00	72.22	72.22							
TOTAL	0.00	496.44	496.44	TOTAL	0.00	496.44	496.44			



Year	Annu	Jalised	Book Value	Debt	Dividend	Retained I	Earnings	Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per	Share	Per Share	Per Sh	are			No.of Times	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs		%
1-2	5.10	9.41	15.10	24.00	0.00	100.00	5.10	0.00	5.10	1.00	0.00
2-3	7.72	11.45	22.82	18.00	0.00	100.00	7.72	0.00	7.72	1.00	0.00
3-4	10.35	13.57	33.17	12.00	0.00	100.00	10.35	0.00	10.35	1.00	0.00
4-5	12.92	15.71	46.10	6.00	0.00	100.00	12.92	0.00	12.92	1.00	0.00
5-6	15.42	17.84	61.52	0.00	0.00	100.00	15.42	0.00	15.42	1.00	0.00



Year		D. S. C. R.		Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	•				Assets Turnover Ratio	Current Ratio	
		Cumulativ e	Overall					GPM	PBT	ΡΑΤ	Net Contrib ution	P/V Ratio		
	(Nur	mber of tim	es)	(Number	of times)	%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.37	1.37		1.59	1.59	2.84		13.98%	6.56%	4.92%	516.93	40.19%	1.82	1.13
2-3	1.63	1.49		0.79	0.79	1.74		15.73%	9.47%	6.39%	475.39	31.68%	1.96	1.31
3-4	1.96	1.64	1.96	0.36	0.36	1.11		16.91%	11.55%	7.49%	540.26	31.50%	2.00	1.53
4-5	2.35	1.79		0.13	0.13	0.74		17.71%	13.03%	8.31%	605.13	31.36%	1.96	1.76
5-6	2.84	1.96		0.00	0.00	0.50		18.25%	14.11%	8.93%	670.00	31.25%	1.88	2.41



BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	47.19%
Total BEP (% of Installed Capacity)	51.67%
IRR, PAYBACK and FACR	
Internal Rate of Return ( In %age )	27.09%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	9.458



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

- 1. What is Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?
- 2. How has the Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making industry performed so far and how will it perform in the coming years ?
- 3. What is the Project Feasibility of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant ?



4. What are the requirements of Working Capital for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

- 5. What is the structure of the Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant and who are the key/major players ?
- 6. What is the total project cost for setting up Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?



7. What are the operating costs for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

8. What are the machinery and equipment requirements for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant ?



10. What are the requirements of raw material for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

- 12. What is the Manufacturing Process and Formulations of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?
- 13. What is the total size of land required for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant ?



<u>www.entepreneurindia.co</u>

14. What will be the income and expenditures for a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant ?

15. What are the Projected Balance Sheets of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

16. What are the requirement of utilities and overheads for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

17. What is the Built up Area Requirement and cost for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?



18. What are the Personnel (Manpower) Requirements for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant ?

19. What are Statistics of Import & Export for Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

**20.** What is the time required to break-even?

21.What is the Break-Even Analysis of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?



<u>www.entepreneurindia.co</u>

22.What are the Project financials of a Single Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?

23. What are the Profitability Ratios of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making plant?

- 24. What is the Sensitivity Analysis-Price/Volume of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?
- 25. What are the Projected Pay-Back Period and IRR of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?



26. What is the Process Flow Sheet Diagram of a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making project?

- 27. What are the Market Opportunities for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?
- 28. What is the Market Study and Assessment for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Plant?
- 29. What is the Plant Layout for setting up a Disposable Thermocol Glass, Cups, Bowl, Plates, Utensils, Dona, Thali Making Business?





npcs

#### 1. Rourkela: City Profile & Geotechnical Site Characterization

- 1.1. General
- **1.2.** Physical Characteristics
- 1.3. Climate & Rainfall
- 1.4. Map
- **1.5. Culture & Languages**
- 1.6. Transportation And Communications
- 1.7. Economy & Industry
- 1.8. Major Industries

#### 2. Introduction



#### 3. Uses & Applications

- 4. **Properties Of Thermocol**
- 5. Environmental Benefits
- 6. B.I.S Specification
- 6.1. ls : 4671 1968
- 7. Market Survey



## 8. Export & Import Statistics Data Of India 8.1. Export Statistics Data For Eps Disposable 8.2. Import Statistics Data For Eps Disposable

- 9. Raw Material & Availability
- 9.1. Mould-making

#### 10. Main Equipment And Technical Parameter



11. Manufacturing Process
11.1. Basic Raw Material Required:
11.2. Basic Plant And Machinery Required:
11.3. Process:

# 12. Process Flow Diagram 12.1. Flow Diagram For Eps (Thermocol) Plates 12.2. Flow Diagram For Expanded Poly Styrene Cups & Glass

#### 13. Suppliers Of Plant & Machinery



#### **Suppliers Of Raw Material**

15. Plant Layout

14.

16. Raw Material, Product & Machinery Photographs
16.1. Raw Material Photographs
16.2. Product Photographs
16.3. Machinery Photographs

17. Quotation Of Plant, Machinery And Equipments From Supplier



### **Project Financials**

•	Project at A Glance	Annexure
•	Assumptions for Profitability workings	1
•	Plant Economics	2
•	Production Schedule	3
•	Land & BuildingFactory Land & BuildingSite Development Expenses	4
•	Plant & MachineryIndigenous MachineriesOther Machineries (Miscellaneous, La)	



•	Other Fixed Assets
• Month	Working Capital Requirement Per 
Monin	Raw Material
	<ul> <li>Packing Material</li> <li>Lab &amp; ETP Chemical Cost</li> </ul>
	<ul> <li>Consumable Store</li> </ul>
•	Overheads Required Per Month And Per
Annum	18
	Utilities & Overheads (Power, Water and Fuel Expenses
etc.)	Royalty and Other Charges
	Selling and Distribution Expenses
www.en	repreneurindia.co

•	Salary and Wages	9
•	Turnover Per Annum	10
•	Share Capital	11
	<ul> <li>Equity Capital</li> <li>Preference Share Capital</li> </ul>	



- 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



<u>www.entrepreneurindia.co</u>

#### • Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Var./Semi-Fixed Exp.
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- **B.E.P**

<u>www.entrepreneurindia.co</u>



• 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



<u>www.entrepreneurindia.co</u>

Annexure 14 :: Product wise domestic Sales
 Realisation

•••

•••

- Annexure 15 ::
- Annexure 16 ::
- Annexure 17 ::
- Annexure 18 ::
- Annexure 19
- Annexure 20

- **Total Raw Material Cost**
- Raw Material Cost per unit
- **Total Lab & ETP Chemical Cost**
- Consumables, Store etc.,
  - **Packing Material Cost**
- Packing Material Cost Per Unit



<u>www.entrepreneurindia.co</u>

- Annexure 21 :: Employees Expenses
- Annexure 22 :: Fuel Expenses
- Annexure 23 :: Power/Electricity Expenses
  - Annexure 24 :: Royalty & Other Charges
- Annexure 25 :: Repairs & Maintenance Exp.
- Annexure 26 ::
- Annexure 27
- Annexure 28

- Other Mfg. Expenses
- **::** Administration Expenses
- :: Selling Expenses



- 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



<u>www.entrepreneurindia.co</u>

Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on **Thermocol Cups, Glass and Plates** 

> See more http://goo.gl/DkqKiO http://goo.gl/HqTo6S http://goo.gl/SzY1Lu http://goo.gl/BFdFPd







# Take a look atNIIR PROJECT CONSULTANCY SERVICESOn #Street View

## https://goo.gl/VstWkd



## Locate us on Google Maps https://goo.gl/maps/BKkUtq9gevT2



#### **Contact us**

**Niir Project Consultancy Services** 

106-E, Kamla Nagar, New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : <u>www.entrepreneurindia.co</u>

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd



# NIIR PROJECT CONSULTANCY SERVICES

## An ISO 9001:2008 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
- $\circ$  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
- O Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling



- O 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
- O 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 & Hospitability 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)
- 0 Wire & Cable



#### **Contact us**

**Niir Project Consultancy Services** 

106-E, Kamla Nagar, New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : <u>www.entrepreneurindia.co</u>

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd



**Follow us** 







# For more information, visit us at: <u>www.entrepreneurindia.co</u>

