

Two rolls of cellophane film are shown at the top of the page. The roll on the left is purple, and the roll on the right is blue. Both are partially unrolled, showing the clear, glossy surface of the film.

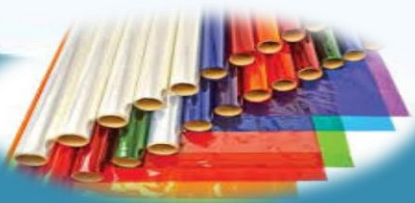
**Production of**

# ***Cellophane Film***

**Business Ideas for  
Entrepreneurs in**

***Cellophane Wrapping Paper***

**Manufacturing**



# Introduction

Cellophane is a thin, transparent sheet made from regenerated cellulose. Its low permeability to air, oils, greases, bacteria, and water makes it helpful for food packaging. Cellophane is very permeable to water vapours, but may be coated with nitrate lacquer to stop this. As well as food packaging, cellophane is used in clear pressure-sensitive tape, conduit and lots of other similar applications. This cellophane may be a high quality, glossy, transparent film that's ideal for art and craft comes and wrapper. The Colored cellophane Rolls live 500mm x 2.5metres and therefore the Clear cellophane Roll measures 500mm x 5metres.

**Projects: - [Project Reports & Profiles](#)**



Unlike several different similar materials, cellophane is biodegradable. Production uses carbon sulfide, which has been found to be extremely unhealthful to workers; trendy makers don't offer any info on worker harms. [Cellophane](#)" is a generic term in some countries, whereas in alternative countries it's a registered trademark. [Cellophane](#) is created from a rather advanced process. Polyols from wood or different sources is dissolved in alkali and carbon disulfide to make a viscose solution. The viscose is extruded through a slit into a shower of sulfuric acid and sulfate to convert the viscose into polyols. The film passes through a series of baths to get rid of excess salt and add softeners or plasticizers. Various mixtures of glycols, such as propene, ethylene, or triethylene glycol, are typically used because the plasticizer to stay it from getting too brittle for [packaging](#) applications. After the film is dried, it's usually coated.

**Related Books:-** [Packaging Industry, Beverage Can, Bottles, Blister Packs, Carton, Bags](#)

Uncoated film has few packaging applications because it loses an excessive amount of water and becomes brittle, or absorbs too much water, and loses its natural gas barrier properties. Nitrocellulose-based waterproof coatings were initially developed by DuPont within the 1930s and are still used today. Different coatings are developed, as well as ones supported by PVDC, which provide further functionality, similar to heat resistance to heat seal jaws throughout heat sealing. Varying the plasticizer and coating technology allows the properties of cellophane to be tailored to a good sort of application needs.

**Related Videos:-** [Packaging Industry, Food Packaging, Paper, Beverage Can, Bottles](#)



# Applications

Cellophane is used in food [packaging](#), particularly once high stiffness is preferred to allow baggage to stand upright. It's additionally used for nonfood applications where easy tear is needed.

Different grades are available on the market as well as uncoated, VC/VA copolymer coated (semi-permeable), nitrocellulose coated (semi-permeable) and PVDC coated cellophane film (good barrier, however not fully [biodegradable](#)).

## **Project: - [Cellophane Film](#)**

Cellophane is that the oldest transparent packaging product won't to enclose cookies, candies, and nuts. Cellophane was the main [packaging](#) film used till the 1960s. Within the lot of environmentally-conscious market of these days, cellophane is returning in quality.

As cellophane is one hundred per cent biodegradable, it's seen as a lot of earth-friendly various to existing wrappings. Cellophane additionally has an average vapor rating and excellent machinability and warmth seal ability, adding to its current popularity within the food-wrapping market.

**Related Projects:- Packaging, Holograms, Printing, Publishing, Screen Printing and DTP Projects**

Food Packaging

Tobacco Packaging

Pharmaceuticals Industry

Electronics Industry

Chemical Industry

Oilfield Industry

Cosmetic Packaging



## Production

Cellulose from wood, cotton, hemp, or different sources is dissolved in alkali and carbon disulfide to form an answer known as viscose that is then extruded through a slit into a shower of dilute sulphuric acid and sodium sulfate to convert the viscose into polyols. The film is then passed through many a lot of baths, one to remove sulfur, one to bleach the film, and one to feature softening materials such as alcohol to prevent the film from turning into brittle.

### **Market Research: - Market Research Report**

A similar method, using a whole (a spinneret) instead of a slit, is used to form a fiber referred to as textile. Chemically, cellophane, textile and cellulose are polymers of glucose; they differ structurally instead of chemically.

## Raw Materials

While some pressure sensitive tapes are still prepared with natural rubber, the bulk are currently created using mostly artificial materials. The backing for cellophane tape usually consists of cellulose acetate, a synthetic by-product of cellulose, that comes from wood pulp or cotton seeds. The cellulose is chemically treated with ethanoic acid and anhydride, and the side that won't receive an adhesive coating is treated with a unlash agent that allows the tape to be wound and straight while not sticking together. Although this compound varies among manufacturers, some normally used substances include stearate chromic chloride and polystearic carbonate.

**Market Research:** - [Market Research Reports, India and Global Industry Analysis ,Market Trends](#)





Prior to the application of the adhesive, the adhered side of the backing may be primed with a solvent or aqueous dispersions of nitrile rubber or chlorinated rubber. To provide the final adhesive substance, some manufacturers use as several as 29 raw materials that go through various stages of production. However, the generic adherend is created from acrylic resins, petroleum byproducts that are lessened into alcohols and acids before being consolidated into a chemical compound. This compound is then mixed with mineral spirits or a hydrocarbon solvent, making an aqueous degree binary compound emulsion (an answer within which the microscopic rosin particles are command suspended) that's applied to the backing.

**Related Videos:-** [Packaging and printing Industry](#)



## Manufacturing Process

Three separate manufacturing operations are necessary to provide one roll of household pressure sensitive tape. First, the cellulose acetate backing is ready, and so the adhesive is made. When the two materials are combined, the final product is cut into little batches for individual consumer use, inspected, packaged, and shipped.

1 First, wood pulp or cotton seeds are broken down into cellulose fibers through both physical crushing and chemical decomposition. Next, the raw polyols fibers are treated this drawing shows the makeup of a layer of cellophane tape. The release coating makes the tape easier to unwind, whereas the primer helps secure the adhesive to the film.

**Related Books:- [Food Packaging Technology Handbook \(2nd Revised Edition\)](#)**

This drawing shows the makeup of a layer of plastic wrap tape. The discharge coating makes the tape easier to unwind, while the primer helps secure the adhesive to the film.

With acetic acid and acetic anhydride to make a new compound, triacetate. This material is then treated with a mixture of chemicals and water to produce the basic style of cellulose acetate. When being heated to get rid of all wet, the cellulose ester is mixed with a plasticizing material similar to oil, and therefore the resulting cellulose acetate plastic is made into pellets, or pelletized. The pellets are melted into a liquid and spread over a large, flat conveyer belt to create extremely skinny plastic sheets—it would take concerning 5 such sheets to equal the thickness of common paper. The completed backing, or film, is then wound on large rolls several thousand yards long to wait the application of the adhesive.

**Books:- BOOKS & DATABASES**

## [Making the Adhesive](#)

2 Modern adhesives take issue from their nineteenth century precursors in this adhesomers, the synthetic polymers they're based on, are inherently sticky and so need no additional tackifying agents. Such polymers are made of crude oil distillation that's with [chemicals](#) reacted to form alcohols and acids. These materials are then mixed with a hydrocarbon solvent that catalyzes their polymerization, the process by which they mix to form a complex molecular chain created from repeating structural sequences. The resulting adhesomers is also used in this form or dissolved with a lot of coating solvents, depending on its intended application. Its then keep till needed.

**Projects:- [Project Consultancy, Reports & Profiles](#)**

## Combining Film and Adhesive

3 initial, the non-adhesive facet of the backing is treated with a unleash agent that creates the tape straightforward to unwind. Before the adhesive is applied to the sticky side, the facet could also be treated with a primer to anchor the adhesive. This coating is applied by routing the blur a large roller that rotates in an open vat of primer. Because the tape moves over the roller, it applies the primer. Once these surface coats have been applied, the tape travels over heated drums (known as hot cans) that dry it. A really thin layer of pressure sensitive adhesive is metered onto the primed side of the tape, which is then rolled into long ovens for high-temperature drying.



## Rolling, Cutting, and Packaging the Tape

4 Once dried, the tape is wound onto large jumbo rolls and routed over slicers that divide it into variable widths. The individual bands of tape are then wound around a small plastic core that is next fitted within a plastic dispenser whose rough edge can be used to cut lengths of tape. Each tape rolls and dispensers are available in a variety of sizes to suit varying client needs.





## Market Outlook

The Cellophane market will register a 4.6% CAGR in terms of revenue, the global market size will reach \$ 385.1 million by 2025, from \$ 322.2 million in 2019. Cellulose film packaging can be derived from harvested plantations that are managed for obtaining wood pulps. Cellulose film packaging has been increasingly adopted in order to achieve sustainable development reducing overall environmental pollution rate caused due to rapid urbanization and industrialization across the globe. Cellulose films are renewable as well as compostable that reduces the need for extensive land filling required in cases of traditional polythene packages.



Additionally, increasing initiatives from regulatory bodies to makes [packaging](#) processes eco-friendly in industries, at the side of rising regulatory actions is expected to propel the cellulose film packaging market at a strong rate. Cellulose films are being used for [food packaging](#), as biodegradable tapes and labels for stationary goods, luggage and pouches by retail markets together with release liners in quality and designed packaging. Rising awareness in consumer population relating to environmental concerns is attributed to propel the cellulose film packaging market significantly.

Advances in various end-user industries within the past few years and growing technological explorations is projected to drive cellulose film packaging market besides the big selection of functions of cellulose film packaging in associate large vary of products similar to [adhesive](#) films, food wrapping packages, cellulose film liners et al during the forecast period.

Consumers across the globe are becoming more and more aware of the plastic products and their impact on the environment. This has prompted the switch toward [bio-degradable](#), natural, and environment-friendly products. Acceptance type end-use consumers could be an issue driving the adoption of cellulose films. The market is growing geographically covering the leading regions of the world where the chances of extension of the Cellophane market rise with the growth of commercial industries that are in need of the product and its packaging. E-commerce and prepared to eat [food](#) product are the sectors where the utilization of cellophane sheets are worn out abundance that boost the growth of cellophane market. Within the present scenario, increasing environmental issues challenge the production of the merchandise that has restrained the expansion, though advanced technologies are enforced by makers to lead the market to realize profit and considerable sales volume in forthcoming years.

The packaging business in India could be a mixture of both organized medium to large player's as well very small players. Domestic demand for packaging is expected to grow rapidly in coming back years. FMCG companies are currently wide adopting sustainable packaging technologies to scale back the cost of packaging still as taking steps to ensure usage of packaging material that additionally protects the environment. India is the second largest producer of food within the world and one of the key consumers of packaged foods and beverages. Increased consumer awareness and growth of the processed food and beverages trade are the key factors for a major shift from unpackaged marketing to packaged forms of sale.



## Key Players:-

- Ambition Mica Ltd.
- Arihant Gold Plast Pvt. Ltd.
- Duropack Ltd.
- Excellent Gravure Inds. Pvt. Ltd.
- Positive Packaging Inds. Ltd.
- Rexor India Ltd.
- Safepack Industries Ltd.
- Shree Rama Multi-Tech Ltd.
- Siddhi Decor Pvt. Ltd.
- Vasa Retail & Overseas Ltd.
- Win Flex Ltd.

# Machinery Photographs



**MIXING TANK**



**BOILER**





**AIR COMPRESSOR**



**PIPELINE AND PUMP**

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site							
Development Exp.	0.00	145.00	145.00	Capital	0.00	323.54	323.54
Buildings	0.00	290.00	290.00	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	604.50	604.50	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	70.00	70.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	40.00	40.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	970.63	970.63
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	55.50	55.50	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	76.17	76.17				
TOTAL	0.00	1294.17	1294.17	TOTAL	0.00	1294.17	1294.17

# 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	%
1-2	5.56	9.87	15.56	24.00	0.00	100.00	5.56	0.00	5.56	1.00	0.00
2-3	8.38	12.11	23.94	18.00	0.00	100.00	8.38	0.00	8.38	1.00	0.00
3-4	11.17	14.41	35.11	12.00	0.00	100.00	11.17	0.00	11.17	1.00	0.00
4-5	13.88	16.70	49.00	6.00	0.00	100.00	13.88	0.00	13.88	1.00	0.00
5-6	16.50	18.95	65.50	0.00	0.00	100.00	16.50	0.00	16.50	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Wort h	Profitability Ratio					Assets Turno ver Ratio	Curre nt Ratio
								GPM	PBT	PAT	Net Contr ibutio n	P/V Ratio		
	Indivi dual	Cumul ative	Over all											
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.41	1.41		1.54	1.54	2.25		14.12%	8.12%	5.92%	1083.92	35.63%	1.90	1.01
2-3	1.71	1.56		0.75	0.75	1.28		16.21%	11.44%	7.64%	1248.05	35.17%	2.04	1.34
3-4	2.07	1.71	2.07	0.34	0.34	0.75		17.62%	13.79%	8.91%	1425.95	35.16%	2.06	1.72
4-5	2.49	1.88		0.12	0.12	0.45		18.56%	15.45%	9.84%	1603.85	35.15%	2.00	2.14
5-6	3.01	2.07		0.00	0.00	0.27		19.18%	16.64%	10.53%	1781.75	35.14%	1.89	3.47

# Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	48.04%
Total BEP (% of Installed Capacity)	52.50%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	28.07%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	7.240

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

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



**5. What is the structure of the Cellophane Film Manufacturing Business and who are the key/major players ?**

**6. What is the total project cost for setting up Cellophane Film Manufacturing Business?**

**7. What are the operating costs for setting up Cellophane Film Manufacturing plant ?**

**8. What are the machinery and equipment requirements for setting up Cellophane Film Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Cellophane Film Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Cellophane Film Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Cellophane Film Manufacturing Business?**
- 12. What is the Manufacturing Process of Cellophane Film ?**

- 13. What is the total size of land required for setting up Cellophane Film Manufacturing plant ?**
- 14. What will be the income and expenditures for Cellophane Film Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Cellophane Film Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Cellophane Film Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Cellophane Film Manufacturing Business?**

- 18. What are the Personnel (Manpower) Requirements for setting up Cellophane Film Manufacturing Business?**
- 19. What are Statistics of Import & Export for Cellophane Film ?**
- 20. What is the time required to break-even of Cellophane Film Manufacturing Business?**
- 21. What is the Break-Even Analysis of Cellophane Film Manufacturing plant?**
- 22. What are the Project financials of Cellophane Film Manufacturing Business?**

- 23. What are the Profitability Ratios of Cellophane Film Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Cellophane Film Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Cellophane Film Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Cellophane Film Manufacturing project?**

**27. What are the Market Opportunities for setting up Cellophane Film Manufacturing plant?**

**28. What is the Market Study and Assessment for setting up Cellophane Film Manufacturing Business?**

**29. What is the Plant Layout for setting up Cellophane Film Manufacturing Business?**



# **Table of Contents of the Project Report**

## **1 PROJECT LOCATION**

### 1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

1.1.1. General

1.1.2. Demographics

1.1.3. Climate

1.1.4. Map

1.1.5. Economy

1.1.6. Industries

1.1.7. Education

1.1.8. Transport

## **2. INTRODUCTION**

## **3. PROPERTIES**

## **4. USES**

## **5. APPLICATIONS**

## **6. B.I.S. SPECIFICATIONS**

- 6.1. IS 5012: 1987 (REAFFIRMED YEAR: 2018) CELLULOSE FILM
- 6.2. IS 13360: PART 11: SEC 14: 2006 (REAFFIRMED YEAR: 2016)  
PLASTICS - METHODS OF TESTING PART 11 SPECIAL  
PROPERTIES SECTION 14 FILM AND SHEETING -  
DETERMINATION OF DIMENSIONAL CHANGE ON HEATING

## **7. MARKET SURVEY**

- 7.1. MARKET SIZE & FORECAST
- 7.2. DRIVERS & RESTRAINTS
- 7.3. KEY COMPANIES
- 7.4. CELLULOSE FILMS MARKET
- 7.5. CELLULOSE FILM PACKAGING MARKET
  - 7.5.1. Competitive Landscape
  - 7.5.2. Market Cellophane
- 7.6. GLOBAL CELLOPHANE MARKET
  - 7.6.1. Segmental Analysis
- 7.7. EMERGING TRENDS IN PACKAGING INDUSTRY

- 7.7.1. Active Packaging
- 7.7.2. Intelligent Packaging
- 7.7.3. Eco-Friendly Packaging
- 7.7.4. Flexible Packaging
- 7.7.5. Sustainable Packaging

## **7.8. KEY CHALLENGES**

- 7.8.1. Some of the Government Initiatives
- 7.8.2. Future Outlook

## **7.9. CURRENT TRENDS IN PACKAGING INDUSTRY**

## **7.10. GLOBAL CELLULOSE FILM PACKAGING**

- 7.10.1. Market Overview
- 7.10.2. Market Size & Forecast
- 7.10.3. Growth Drivers & Challenges

## **8. EXPORT & IMPORT: ALL COUNTRIES**

- 8.1. EXPORT: ALL COUNTRIES
- 8.2. IMPORT: ALL COUNTRIES

## **9. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES**

- 9.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 9.2. PROFITS & APPROPRIATIONS
- 9.3. TOTAL LIABILITIES
- 9.4. TOTAL ASSETS
- 9.5. NET CASH FLOW FROM OPERATING ACTIVITIES

### **9.6. SECTION – I**

- 9.6.1. Name of Company with Contact Details
- 9.6.2. Name of Director(S)
- 9.6.3. Credit Ratings
- 9.6.4. Plant Capacity
- 9.6.5. Location of Plant
- 9.6.6. Name of Raw Material (S) Consumed with Quantity & Cost

## **9.7. SECTION – II**

- 9.7.1. Assets
- 9.7.2. Cash Flow
- 9.7.3. Cost as % Ge of Sales
- 9.7.4. Forex Transaction
- 9.7.5. Growth in Assets & Liabilities
- 9.7.6. Growth in Income & Expenditure
- 9.7.7. Income & Expenditure
- 9.7.8. Liabilities
- 9.7.9. Liabilities
- 9.7.10. Liquidity Ratios
- 9.7.11. Profitability Ratio
- 9.7.12. Profits
- 9.7.13. Return Ratios
- 9.7.14. Structure of Assets & Liabilities (%)
- 9.7.15. Working Capital & Turnover Ratios

## **10. COMPANY PROFILE OF MAJOR PLAYERS**

- 11. EXPORT & IMPORT STATISTICS OF INDIA**
  - 11.1. EXPORT STATISTICS FOR CELLOPHANE FILM
  - 11.2. IMPORT STATISTICS FOR CELLOPHANE FILM
  
- 12. PRESENT MANUFACTURERS**
  
- 13. RAW MATERIAL**
  
- 14. MANUFACTURING PROCESS**
  
- 15. PROCESS FLOW DIAGRAM**
  
- 16. SUPPLIERS OF PLANT & MACHINERY**
  
- 17. SUPPLIERS OF RAW MATERIAL**
  
- 18. PHOTOGRAPHS/IMAGES FOR REFERENCE**
  - 18.1. MACHINERY PHOTOGRAPHS
  - 18.2. RAW MATERIAL PHOTOGRAPHS
  - 18.3. PRODUCT PHOTOGRAPHS
  
- 19. PLANT LAYOUT**



# Project Financials

• <b>Project at a Glance</b>	<b>Annexure</b>
• Assumptions for Profitability workings .....	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
  - Indigenous Machineries**
  - Other Machineries (Miscellaneous, Laboratory etc.)**
  
- **Other Fixed Assets.....6**
  - Furniture & Fixtures**
  - Pre-operative and Preliminary Expenses**
  - Technical Knowhow**
  - Provision of Contingencies**
  
- **Working Capital Requirement Per Month.....7**
  - 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**

- **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**

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



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

# Tags

#cellophane #CellophaneMarket #CellophaneIndustry #cellophanepaper  
#cellophanewrapping #cellophanewrap #plasticwrap #DetailedProjectReport  
#businessconsultant #BusinessPlan #feasibilityReport #NPCS  
#entrepreneurindia #startupbusiness #projectconsultancy #projectreport  
#businessfeasibilityreport



***NIIR PROJECT CONSULTANCY SERVICES (NPCS)***  
**can provide Detailed Project Report on**

# **Cellophane Film**

**See more**  
**Project Reports & Profiles**  
**BOOKS**  
**Market Research Report**

*Visit us at*

[www.entrepreneurindia.co](http://www.entrepreneurindia.co)

[www.niir.org](http://www.niir.org)

**Take a look at  
Niir Project Consultancy Services  
on #Street View**

<https://goo.gl/VstWkd>

*Locate us on  
Google Maps*

<https://goo.gl/maps/BKkUtq9gevT2>

## OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

**Click here to take a look**  
**<https://goo.gl/G3ICjV>**

## **Select and Choose the Right Business Startup for You**

### **(Instant Online Project Identification and Selection)**

**Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.**

**Visit:** <https://www.entrepreneurindia.co/project-identification>

## **Download Complete List of Project Reports:**

### **▪ Detailed Project Reports**

**Visit:- <https://www.entrepreneurindia.co/complete-project-list>**

**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:**

- **Good Present/Future Demand**
- **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](#)**



# **Contact us**

## ***NIIR PROJECT CONSULTANCY SERVICES***

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

**Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)**

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

**Mobile: +91-9097075054, 8800733955**

**Fax: +91-11-23845886**

**Website : [www.entrepreneurindia.co](http://www.entrepreneurindia.co) , [www.niir.org](http://www.niir.org)**

**Take a look at *NIIR PROJECT CONSULTANCY SERVICES* on #StreetView**

**<https://goo.gl/VstWkd>**



# **Niir PROJECT CONSULTANCY SERVICES**

**AN ISO 9001: 2015 CERTIFIED 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*

*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**

## 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

## **Sectors We Cover** *Conti...*

- 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

## Sectors We Cover *Cont...*

- 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

## Sectors We Cover *Cont...*

- 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



## Sectors We Cover

*Cont...*

- 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.

## Sectors We Cover *Cont...*

- 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.

## Sectors We Cover *Cont...*

- 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

## Sectors We Cover *Cont...*

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable

# MARKET RESEARCH REPORTS

## Objective

- ∞ To get a detailed scenario of the industry along with its structure and classification
- ∞ To provide a comprehensive analysis of the industry by covering aspects like:
  - ∞ Growth drivers of the industry
  - ∞ Latest market trends
  - ∞ Insights on regulatory framework
  - ∞ SWOT Analysis
  - ∞ Demand-Supply Situation
  - ∞ Foreign Trade
  - ∞ Porters 5 Forces Analysis

## Objective

- ∞ To provide forecasts of key parameters which helps to anticipate the industry performance
- ∞ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ∞ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ∞ To evaluate the competitive landscape of the industry by detailing:
  - ∞ Key players with their market shares
  - ∞ Financial comparison of present players



## **Clientele**

- ⌘ Venturist/Capitalists
- ⌘ Entrepreneur/Companies
- ⌘ Industry Researchers
- ⌘ Investment Funds
- ⌘ Foreign Investors, NRI's
- ⌘ Project Consultants/Chartered Accountants
- ⌘ Banks
- ⌘ Corporates

**[Click here for list](#)**

# Data Sources



# Scope & Coverage



## **Our Team**

- ⌘ Our research team comprises of experts from various financial fields:
- ⌘ MBA's
- ⌘ Industry Researchers
- ⌘ Financial Planners
- ⌘ Research veterans with decades of experience

## Structure of the Report

- 1. Overview
- 2. Market Analysis
  - 2.1 Growth Drivers
  - 2.2 Emerging Trends in the Industry
  - 2.3 Regulatory Framework
  - 2.4 SWOT Analysis
  - 2.5 Herfindahl–Hirschman Index (HHI)
- 3. Market Forecasts
- 4. Key Players

# Structure of the Report

*Cont*

- ⌘5. Key Financials and Analysis
  - ⌘5.1 Contact Information
  - ⌘5.2 Key Financials
  - ⌘5.3 Financial comparison
- ⌘6. Industry Size & Outlook



Take a look at *NIIR PROJECT CONSULTANCY SERVICES* on  
**#Street View**

<https://goo.gl/VstWkd>



# Contact us

## ***NIIR PROJECT CONSULTANCY SERVICES***

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

Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)

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

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : [www.entrepreneurindia.co](http://www.entrepreneurindia.co) , [www.niir.org](http://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://twitter.com/npcs\\_in](https://twitter.com/npcs_in)



➤ <https://www.pinterest.com/npcsindia/>

**THANK YOU**

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

**[www.niir.org](http://www.niir.org)**

**[www.entrepreneurindia.co](http://www.entrepreneurindia.co)**