

Flexographic Printing Industry.

Flexography or Flexo Printing Business.

Business Opportunities in Printing Sector



[NPCS/3578/23456]

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Introduction

Flexography is a modern version of letterpress printing. This traditional method of printing can be used on almost any type of substrate, including corrugated cardboard, cellophane, plastic, label stock, fabric, and metallic film. The flexographic printing process uses quick-drying, semiliquid inks. In this age of digital printing, flexography holds its own in the areas of large orders and long print runs, particularly of packaging products and labeling.



Flexographic printing uses flexible photopolymer printing plates wrapped around rotating cylinders on a web press. The inked plates have a slightly raised image and rotate at high speeds to transfer the image to the substrate. Flexography inks can print on many types of absorbent and nonabsorbent materials. Flexography is well-suited to print continuous patterns, such as for gift wrap and wallpaper.

Flexographic printing is a popular method for printing large orders of custom labels at rapid speeds by transferring ink onto the paper or film material using flexible printing plates mounted on fast-rotating cylinders. Flexographic printing plates allow customization options that aren't possible with some other types of presses. A variety of products can be printed on flexographic presses like pressure-sensitive labels, shrink sleeve labels, flexible packets, multi-ply labels, double-sided printed labels, and more.

Flexographic printing, or flexography, is a type of printing process that uses a flexible relief plate. This type of printing is mostly used for non-porous materials like food service paper, plastic, foil, brown paper, and packaging materials.

Flexographic printing is unique because it adapts well to different materials and can use a wider range of inks, like water based rather than oil based inks. Because the type of printing holds up and is adaptable, it is used for flexible plastics, retail bags, and wallpaper and beverage cartons.

In addition, flexographic printing usually uses low viscosity inks to allow faster drying time and speedier production for lower costs. Flexographic printing is used widely for the best printing of bold designs and extremely attractive effects can be achieved using 3 or 45 colors. Printing also depends on the printing inks properties. It is used widely for printing on paper, laminated Aluminium Foil, Cellophane Film, Polypropylene, and Polyethylene.

Advantages of Flexography

The flexographic printing process:

- **Runs at extremely high press speeds**
- **Prints on a wide variety of substrate materials**
- **Uses cost equipment that requires little maintenance**
- **Uses relatively low-cost consumables**
- **Is ideally suited for long runs**
- **Handles all printing, varnishing, laminating, and die cutting in a single pass**
- **Excellent quality reproduction of logos and text, adding value to your product**
- **Simple and economical to maintain compared to ink jet printers**
- **Printing dies are easily changed for different production runs**
- **Use specialized inks for printing porous or non-porous surfaces: metals, rubber, plastics, textiles, paper, and more**

Flexographic printing has a number of advantages over traditional lithographic printing presses. It has a faster startup time and can print using a wide variety of ink on almost any substrate. It can also print on plastics, metallic films, cellophane, paper, and even on corrugated surfaces. Flexographic printing has extremely high press speeds and is suited for long runs – a good consideration for medium to large print jobs that need to be completed as quickly as possible.

Here are some of the most common and important uses of flexographic printing:

- **Brown Corrugated Boxes**

Flexographic printing's ability to print on a wide variety of substrates and surfaces make it an ideal method for printing on brown corrugated boxes used in shipping and storage businesses.

- **Flexible Packaging**

The ability to print on flexible, non-rigid materials makes flexographic printing useful when printing on rolls of material used for plastic and paper bags. Flexographic printing is an ideal choice for industrial converters that make printed plastic and paper bags.

- **Food Packaging**

Flexographic printing is quick drying and able to use non-toxic inks. These factors make flexographic printing desirable in the printing of food packaging. It can basically be used on packaging like milk cartons, beverage containers, food containers, as well as disposable cups and containers.

- **Medical Packaging**

Since flexography is food safe with the right ink, it can also be used to print packaging for medicines and other medical supplies. Flexographic printing can be used on foil wrappers, hygienic bags, plastic, and cardboard packaging.

- **Newspaper and Other Print Media**

Even with the prevalence of e-books and the internet, there is still a market for newspapers, magazines, and books. The production of flyers, posters, and newspaper inserts also greatly benefit from flexographic printing's ability to quickly print large print jobs.

These are not all the applications that flexographic printing can be used on. It can be also used to print envelopes, containers, and even wallpaper.

Flexographic printing's capabilities are flexible enough that they can be used on other surfaces. Advances are still being made in the manufacture of ink and plates to improve print quality. There is even research being done on the possibility of using flexographic printing to print electronic circuits and solar cells – an exciting future application of the technology.

Market Outlook

Flexo printing is becoming more and more attractive to brands all over the world. Flexographic printing is an economical alternative to digital printing for medium-to-long print runs, simple designs, and color combinations. It uses flexible plates to transfer the ink onto a substrate and can achieve quick line speeds. Hence, they can be used to print large orders in short lead times. The production speed of flexographic label printers is high, and the inks cost less than digital label printers.

Flexographic printing also allows operators to alter labels without any additional expenses. Such benefits of flexographic printing have increased its usage in producing labels for applications such as packed food products, apparels, toiletries, health information labels, kitchenware, chemical labels, and others.

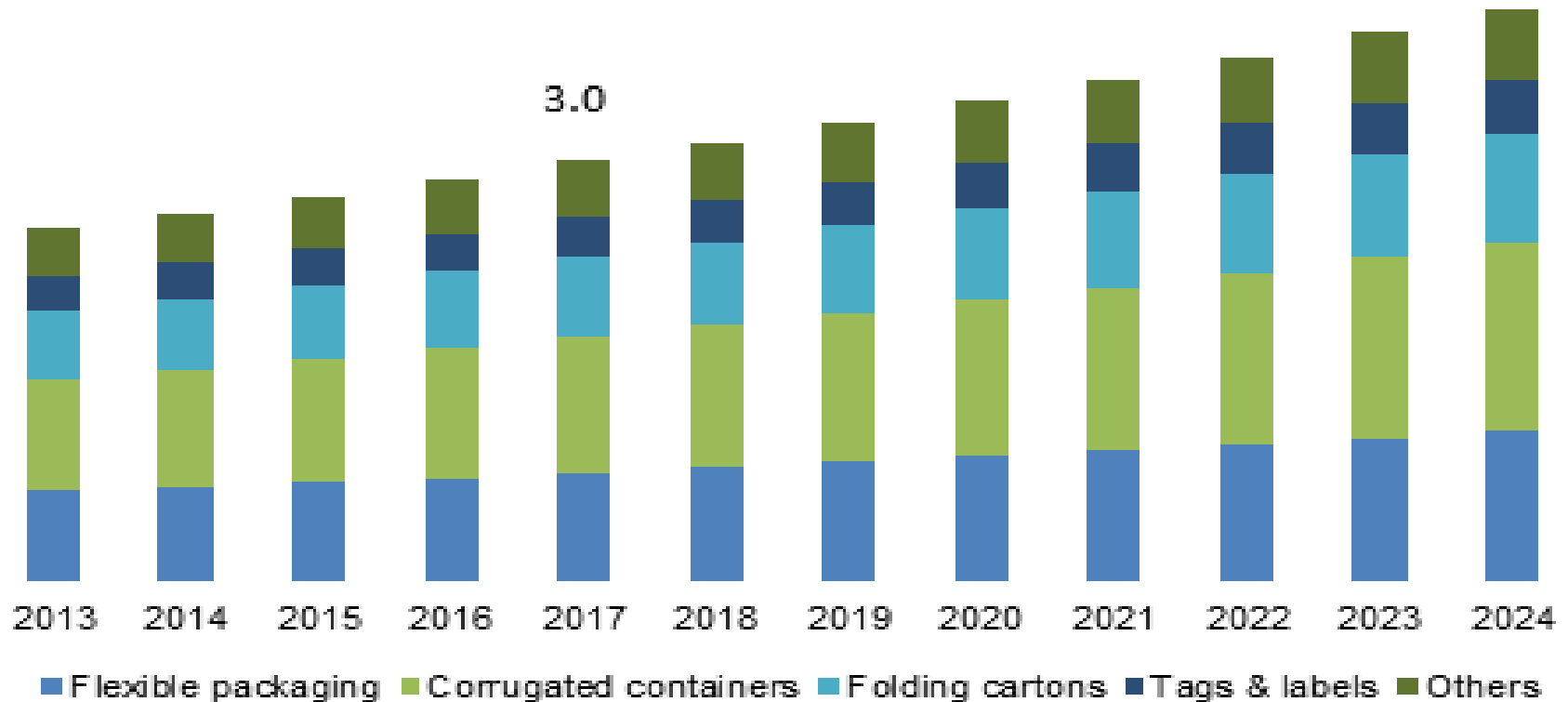
The Future of Flexographic Printing to 2023 tracks and quantifies these trends, from a global market value of \$35.76 billion in 2018 to \$40.11 billion in 2023, an annual increase of 2.6%.

Perceived to be a high-growth printing process; flexography is examined in depth to provide an understanding of opportunities and threats through 2020. A key focus area is flexible packaging (corrugated is excluded) for the food, beverage, medical, bag, industrial and other.

The flexographic printing market is one of the fastest growing print segments in North America. The market's need for flexible packaging is driving this growth. Flexible packaging appeals to consumers' preferences for convenience and portioning. Flexography is well positioned for growth, with trends in both product run length and substrate usage favoring flexo printing inks over gravure and litho. There have been many advances in flexographic printing over the past few years to improve its print quality and the types of substrates that can be printed.



U.S. Flexographic Printing Market Size, by Product, 2013 – 2024



The market of global flexographic printing technology is anticipated to be driven by increase in the demand for low cost packaging solutions primarily for food & beverage industry. Moreover, technological advancements in flexographic printing technology such as high quality digital flexographic plates and printing software optimization is mainly driving the consumer preference towards flexographic printing solutions. Besides this, flexographic printing process offers complete product at the end of the process as it includes varnishing, die cutting, lamination, embossing, foiling, etc. which has significantly impacted the growth of the market and is anticipated to be the major growth driver during the forecast period.



The major players identified across the value chain of global Flexographic Printing Technology market include BOBST, SOMA Engineering, Uteco Group, Focus Label Machinery, Consolidated Label Co, Flint Group, Flexographic Printing Plate Co., Inc., de Elliotte Co Inc., Ligum, 3M and others. The companies are emphasizing on research & development and new product development in order to maintain the competitive advantage in global flexographic printing technology market during the forecast period.

In order to meet the increasing demand of printing seamless motives and high resistance to solvent, companies all over the world are focusing towards the development of sleeves types and rollers in order to expand their product portfolio and increase global footprint. The companies are also focusing on different strategies in order to maintain the market share in the global flexographic printing technology market.

Indian Printing Industry

The Indian printing industry is increasingly being driven by growth in packaging and labels. The print media also continues to grow at a healthy annual pace of four percent. As its growth trends continue to be well over the world averages, in print volume terms, India is set to become the fifth largest market by 2018 moving up five notches from its present tenth slot. Therein lays a great opportunity for the Indian & International print suppliers.

The global printing industry is forecast to reach \$980 billion by 2018. Global printing markets are changing, many publishing products have electronic versions replacing previously printed volumes.

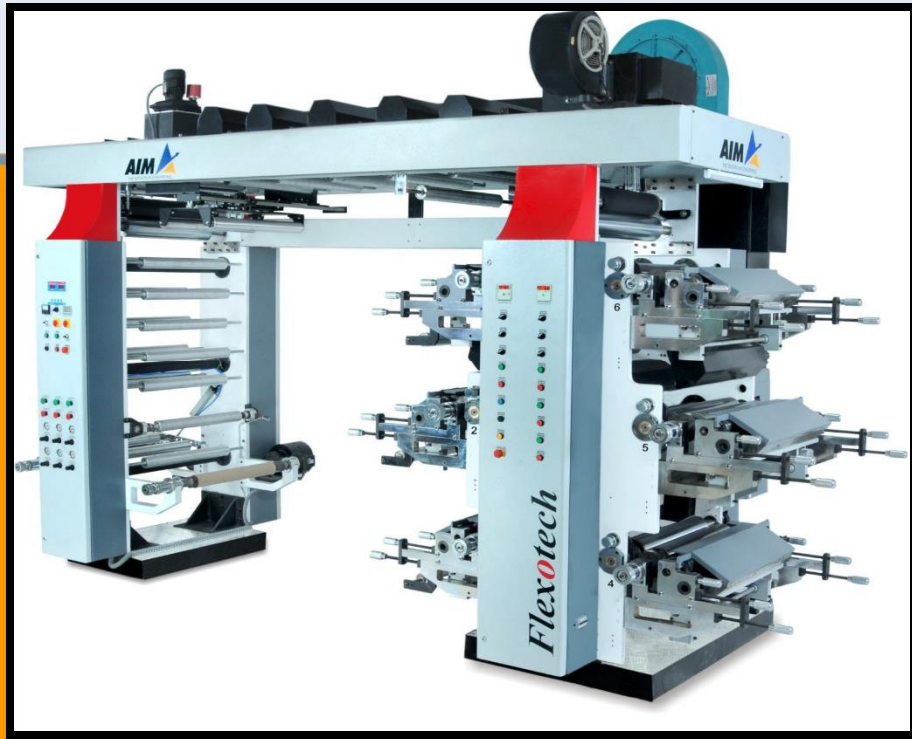
E-books, on-line newspaper and magazines are taking significant sections of their respective markets, while directories, catalogues and brochures have electronic alternatives, more transactions are electronic reducing demand for currency and cheques and advertising spend is moving into new areas including on-line. These factors, alongside the continued growth of social networking, result in declining volumes of many print products, but not packaging and labels where demand is growing.

The greatest growth opportunities for print products are concentrated around revenues from print packaging and print publishing (specifically newspaper printing), with the growth potential in package printing, which is expected to increase 7.8% between 2012 and 2017.

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Machinery Photographs





Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propos ed	Total
Land & Site							
Development Exp.	0.00	75.00	75.00	Capital	0.00	180.06	180.06
Buildings	0.00	101.50	101.50	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	262.80	262.80	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	2.50	2.50	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	20.25	20.25	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	5.00	5.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	540.17	540.17
Preliminary& Pre-				Debentures /			
operative Exp	0.00	3.00	3.00	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	25.50	25.50	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	224.68	224.68				
TOTAL	0.00	720.23	720.23	TOTAL	0.00	720.23	720.23

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				
1-2	6.73	9.83	16.73	24.00	0.00	100.00	6.73	0.00	6.73	1.00	0.00
2-3	9.10	11.77	25.83	18.00	0.00	100.00	9.10	0.00	9.10	1.00	0.00
3-4	11.58	13.89	37.41	12.00	0.00	100.00	11.58	0.00	11.58	1.00	0.00
4-5	14.04	16.03	51.45	6.00	0.00	100.00	14.04	0.00	14.04	1.00	0.00
5-6	16.45	18.18	67.90	0.00	0.00	100.00	16.45	0.00	16.45	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
Initial	(Number of times)			(Number of times)		%	%	%	%	%		%		
1-2	1.41	1.41		3.00	3.00	5.18		5.01%	2.61%	1.80%	814.82	12.14%	3.62	1.15
2-3	1.67	1.54		0.70	0.70	3.50		5.33%	3.18%	2.09%	653.63	8.35%	3.75	1.21
3-4	2.00	1.68	2.01	0.32	0.32	2.53		5.55%	3.62%	2.33%	739.93	8.27%	3.77	1.27
4-5	2.40	1.83		0.12	0.12	1.93		5.69%	3.95%	2.51%	826.24	8.20%	3.72	1.34
5-6	2.89	2.01		0.00	0.00	1.52		5.79%	4.19%	2.65%	912.54	8.16%	3.63	1.50



Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	39.86%
Total BEP (% of Installed Capacity)	43.26%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	30.25%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	37.832

Major Queries/Questions Answered in the Report?

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

- 5. What is the structure of the Flexographic Printing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Flexographic Printing Business?**
- 7. What are the operating costs for setting up Flexographic Printing plant ?**
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9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Flexographic Printing 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 Flexographic Printing.” provides an insight into Flexographic Printing market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Flexographic Printing project. The report assesses the market sizing and growth of the Indian Flexographic Printing 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 Flexographic Printing sector in India along with its business prospects. Through this report we have identified Flexographic Printing project as a lucrative investment avenue.

Tags

#Flexographic_Printing, Flexographic Printing Process Pdf, #Flexography_Printing_Unit, Flexography (Flexo), #Commercial_Printing_Industry, Flexographic Printing Industry, Printing Industry, Flexographic Printing Process, Flexographic Printing Business, Applications of Flexographic Printing, #Start_Your_Own_Printing_Business, Flexo Print Process, Flexographic Printing Plant, How to Start a Successful Printing Press Business, #How_to_Start_up_a_Printing_Business, #How_to_Start_a_Successful_Printing_Business, Printing Press Business, Printing Business Opportunities, #Flexo_Printing, #Most_Profitable_Printing_Business_Ideas, How to Start Printing Business or Printing Startup in India, Ideas for a Small Printing Business You Can Start on your Own, Profitable Printing Business Ideas You Can Start, Starting a Printing Business, Project Report on Flexographic Printing Industry, #Detailed_Project_Report_on_Flexographic_Printing, Project Report on Flexographic Printing Industry, Pre-Investment Feasibility Study on Flexographic Printing, Techno-Economic feasibility study on Flexographic Printing Business, Feasibility report on Flexographic Printing Business, Free Project Profile on Flexographic Printing Business, Project profile on Flexographic Printing Industry, Download free project profile on Flexographic Printing, Flexographic Printing Project, #Setting_up_a_Flexographic_Printing_Industry, Printing Business Opportunities in India, Printing Business Ideas

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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.

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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

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Who are we?

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- *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.



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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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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

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