**Y-1606 Manufacturing of** A4 and A3 Size Paper ( **Profitable Business** Ideas in Copier Paper, **Photo Copy Paper** Industry





www.entrepreneurindia.co

A3 Paper

## Introduction

<u>Paper</u> size standards govern the size of sheets of paper used as writing paper, <u>stationery</u>, cards, and for a few printed documents. Far and away the most common paper sized used today is A4. At 210 x297mm the A4 page is the industry standard for office document sizes.

The largest standard size paper is A0 (A zero), measuring one square meter (approx. 1189x841 mm). Two sheets of A1, placed upright side by side fit exactly into one sheet of A0 laid on its side. Similarly, two sheets of A2 fit into one sheet of A1 and so forth. Common sizes used in the office and the home are A4 and A3 (A3 is the size of two A4 sheets).



A4 <u>paper</u> comes in a range of paper weights ranging from 75gsm<sup>2</sup> to 300gsm<sup>2</sup> with a variety of types including index <u>paper</u>, cover paper and text paper each with their own unique properties including thickness, strength and feel.

As well as printing in A4 formats, the majority of modern printers can also print on media of smaller sizes including A5 & A6. For the majority of day to day printing tasks an A4 sized printer should be sufficient.



The second most used paper size in the average work environment is A3. At 297mm x 420mm, A3 <u>paper</u> is exactly twice the size of its A4 counterpart. Apart from making a bigger visual impact than A4, A3 printers bring with them a host of benefits including faster print engines, larger toner cartridges and higher duty cycles. Another advantage of A3 printers is their ability to print in other smaller sizes including A4, A5 & A6.

Related Projects:- <u>Packaging Industry, Beverage Can, Bottles, Blister</u> <u>Packs, Carton, Bags, Plastic Bottles, Skin Pack, Tin Can, Boxes,</u> <u>Shrink Wrap, Barrel, Crate, Aseptic, Container, Active, Flexible, Rigid</u> <u>Plastic, Metal, Flexible, Glass, Paper Board, Food, Beverage</u>





Paper is often characterized by weight. In the United States, the weight assigned to a paper is the weight of a ream, 500 sheets, of varying "basic sizes", before the paper is cut into the size it is sold to end customers. For example, a ream of 20 lb, 8.5 in × 11 in (216 mm × 279 mm) paper weighs 5 pounds, because it has been cut from a larger sheet into four pieces. In the United States, printing paper is generally 20 lb, 24 lb, or 32 lb at most. Cover stock is generally 68 lb., and 110 lb. or more is considered card stock.





A4 may be a <u>paper</u> size that's used for a wide range of documents, as well as magazines, catalogs, letters and forms. A4 paper is that the size most utilized in the globe. It's used because the classic paper sheet all told industrial countries. Today, it's used for all printing documents, letters, magazines, forms, bit notice, posters, catalogues, magazines, In Engineering A4 size <u>paper</u> is that the mostly used as hard copy of drawing or document during a handy way. It will be found in everyday life.







In the lightweight of the internet revolution, large inroads of digital printing and print on demand, the growth in demand for cut A4 size paper has been phenomenal. In <u>India</u>, the phase growth of cut size has been around 18-20% per year. On the far side that the economy value for cash segment is growing 25% plus. A3 could be a paper size that's generally used for drawings, diagrams and large tables. It's conjointly often utilized in laser printers to output two A4 pages as a spread.

**Related Books: - Paper and Pulp Production Technology** 



## **Paper May Be Classified Into Seven Categories:-**

- Printing papers of wide variety.
- Wrapping papers for the protection of goods and merchandise. This includes <u>wax</u> and Kraft papers.
- Writing paper suitable for stationery requirements. This includes ledger, bank, and bond paper.
- Blotting papers containing little or no size.
- Drawing papers usually with rough surfaces used by artists and designers, including cartridge paper.
- Handmade papers including most decorative <u>papers</u>, Ingres papers, Japanese paper and tissues, all characterized by lack of grain direction.



#### Uses:-

**70gsm to 100gsm Non-Coated** – These are traditional printer papers commonly referred to as copy paper. They're used to print documents during which there's no or little use of graphics. They certainly don't support high res image printing.

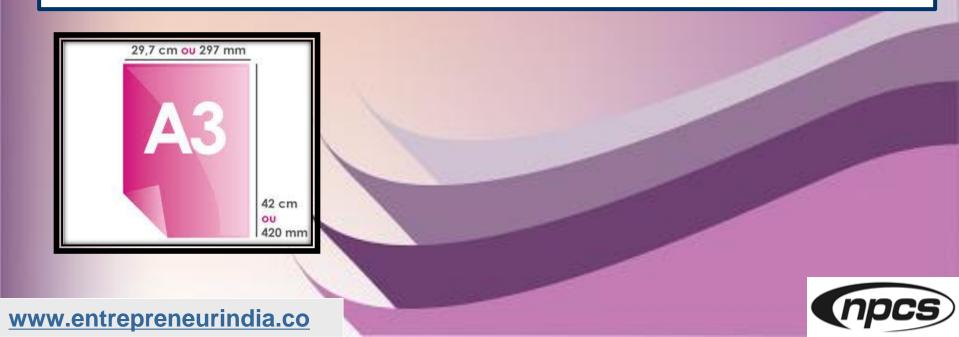
**120gsm to 150gsm Inkjet Matt Coated** – A3 papers of this size are typically used for brochures as once folded they equal 2 A4 sheets. However, the lighter weight options are used for proofing a picture or a style by allowing the insertion of comments around the print (in A3+) and for presentation within the business world, these are also uses for printing graphics and charts once basic graphics are required.

Related Projects: - <u>Paper Industry, Paper & Paper Board, Paper & Allied</u> <u>Products, Paper Bags</u>



**150gsm to 200gsm Inkjet Matt, satin and Gloss** – These are used for basic photography printing and higher quality folder papers.

**200gsm and up Inkjet Matt, Satin, Luster and Gloss**- images that have some sort of memento part are almost always printed on heavier paper. Together with a suitable premium coating (coating is unrelated to the weight of the paper), they feel luxurious and special. A4 size invitation cards will be created to support high quality image once the A3 photo paper is folded.



## **Applications:-**

A3 size <u>paper</u> is used to print drawings, artwork, posters, photos, magazines, musical scores, certificates and a lot of. It's also the perfect format for promotional leaflets (folded 6 ways): its generous size allows you to present a map of a convention centre or a many-branched diagram. A4 isn't only used as printing writing <u>paper</u> in printer or copier from output of a page on pc. it's also used as international size for all variety of documents, like letters, forms, bit notice, posters, catalogues, magazines, In Engineering A4 size <u>paper</u> is that the mostly used as textual matter of drawing or document during a handy way.



The innovative way of using A4 can be used make utility articles like pen stand, origami toys, greeting cards, flyers, picture frames, paper flowers on recycling and so on.

The innovative way of using A4 are often used create utility articles like pen stand, origami toys, greeting cards, flyers, image frames, paper flowers on use then on.

## Related Books: - <u>Packaging Industry, Beverage Can, Bottles, Blister</u> <u>Packs, Carton, Bags, Plastic</u>

A4 is that the classic <u>paper</u> size for printers and as such it's used for standard documents from letters to forms. It's the format of school notepads, children's books, encyclopedias (which would like more room for illustrations), magazines and leaflets. Indeed, the classic leaflet format is an A4 sheet folded in three.



## **Market Outlook**

Growth of the paper business in rising economies could be a major factor driving the cut size uncoated free sheet paper market growth. Also, increase within the variety of offices and <u>educational</u> institutes in these economies can provide growth opportunities to the market players in the coming years.



Paper may be a prerequisite for literacy and <u>education</u> in rising economies of the world, similar to India and Brazil. Besides, India is one the fastest-growing paper markets globally, witnessing significant growth. Paper demand in India is anticipated to rise by 53.0% within the next six years, primarily because of increase within the range of school-going children in rural and urban areas. Besides, the country aims to improve its literacy rate from 70.0% to 90.0% that is expected to accelerate the demand for printing paper, writing paper, and newspaper paper within the country.

Related Videos: - <u>Paper Industry, Paper & Paper Board, Paper Bags,</u> <u>Cups, Tube, Disposable Paper Products, Kraft Paper, News Print,</u> <u>Corrugated Board, Hand Made Paper</u>



Thus, the growth within the paper business, resulting from the increased demand for paper in rising economies, is expected to continue driving the cut size uncoated free sheet <u>paper</u> market growth within the coming years. India holds a significant share in the global <u>education</u> sector. The country has around 1.5 million schools and about 751 universities, and the number is expected to increase in the coming years. Besides, the sector has witnessed some major developments in terms of investments and <u>construction</u> of <u>schools</u> and colleges in recent years. Brazil, another emerging economy, has more than 1, 41,260 schools, with around 30 million students. The number of schools is expected to increase in the country, as the population continues to rise.



In addition, the number of new companies and therefore the expansion activities by existing companies are increasing in India, thereby leading to the construction of new office buildings. Further, the workplace demand in China has also increased significantly in recent years. Since cut size uncoated free sheet paper is used in high volumes for printing and writing functions in <u>educational</u> institutes and offices, increase within the variety of offices and educational institutes can give ample growth opportunities to the players in operation in the cut size uncoated free sheet paper market.



The global Copier <u>Paper</u> market, which accrued revenue worth 14,493.18 (USD Million) in 2019, will register a CAGR of nearly 1.5% during the period from 2020 to 2026. The report offers assessment and analysis of the Copier Paper market on a global and regional level. The study offers a comprehensive assessment of the market competition, constraints, sales estimates, opportunities, evolving trends, and industry-validated data. The report offers historical data from 2017 to 2019 along with a forecast from 2020 to 2026 based on revenue (USD Million).

Related Videos: - <u>Packaging Industry, Food Packaging, Paper,</u> <u>Beverage Can, Bottles, Carton, Plastic Bottles, Corrugated Boxes,</u> <u>Aseptic, Flexible, Rigid Plastic, Glass</u>



Consumption of copier paper is incredibly lower in African region that's predicted to rise at some purpose of the forecast period, because of the growth in rate of acquisition. Middle Eastern nations and Latin <u>American</u> regions are as well predicted to represent appealing possibilities for the boom of copier paper market.

Related Projects: - <u>Stationery, Stationery Products, School Stationery,</u> <u>Office Stationery, A4 Copier Paper</u>





### **Steady Demand for Copier Paper in Emerging Markets.**

Developing economies are exhibiting growth opportunities for the copier paper market. In these countries, the per capita consumption of paper stands significantly less when put next to the worldwide average. The contribution of copier paper is considerably high within the overall paper consumption. Application of copier <u>paper</u> in educational applications is one in all the key drivers, because the number of students is increasing, the demand for copying and paper is fast. Apart from this, government offices create use of copier papers to archive most of their data; this can be anticipated to fuel the demand for copier paper. Consumption of copier paper is relatively lower in African countries that is expected to rise during the forecast period, because of the increasing skill rates. Latin American and Middle Eastern countries are also expected to represent attractive opportunities for the growth of copier <u>paper</u> market.



## **Key Players**

- Bajaj Kagaj Ltd.
- Bindals Papers Mills Ltd.
- Brijlaxmi Paper Products Pvt. Ltd.
- Chadha Papers Ltd.
- Circar Paper Mills Ltd.
- Coral Newsprints Ltd.
- Dadrawala Papers Ltd.
- Danalakshmi Paper Mills Pvt. Ltd.
- Eggro Paper Moulds Ltd.
- Ellora Paper Mills Ltd.
- Fibremarx Papers Pvt. Ltd.
- Gateway Speciality Papers Ltd.
- ➢ Gaurav Paper Mills Ltd.



## **Machinery Photographs**













)F PROJE	CT	MEANS OF FINANCE					
					Propose		
Existing	Proposed	Total	Particulars	Existing	d	Total	
0.00	0.00	0.00	Capital	0.00	15.15	15.15	
0.00	0.00	0.00	Share Premium	0.00	0.00	0.00	
			Other Type Share				
0.00	19.35	19.35	Capital	0.00	0.00	0.00	
0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00	
0.00	11.75	11.75	Cash Subsidy	0.00	0.00	0.00	
			Internal Cash				
0.00	10.00	10.00	Accruals	0.00	0.00	0.00	
			Long/Medium Term				
0.00	0.00	0.00	Borrowings	0.00	45.45	45.45	
0.00	1.50	1.50	Debentures / Bonds	0.00	0.00	0.00	
			Unsecured				
0.00	3.00	3.00	Loans/Deposits	0.00	0.00	0.00	
0.00	7.00	7.00					
0.00	60.60	60.60	TOTAL	0.00	60.60	60.60	
	Existing 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000.000.0019.350.008.000.0011.750.0010.000.000.000.001.500.003.000.007.00	ExistingProposedTotal0.000.000.000.000.000.000.0019.3519.350.0011.7511.750.0010.0010.000.000.000.000.001.501.500.003.003.000.007.007.00	ExistingProposedTotalParticulars $0.00$ $0.00$ $0.00$ Capital $0.00$ $0.00$ Share Premium Other Type Share $0.00$ $19.35$ $19.35$ Capital $0.00$ $8.00$ $8.00$ Reserves & Surplus $0.00$ $11.75$ $11.75$ Cash Subsidy Internal Cash $0.00$ $10.00$ $10.00$ Accruals $0.00$ $0.00$ $0.00$ Borrowings $0.00$ $1.50$ Debentures / Bonds Unsecured $0.00$ $3.00$ $3.00$ Loans/Deposits $0.00$ $7.00$ $7.00$	Existing         Proposed         Total         Particulars         Existing           0.00         0.00         0.00         Capital         0.00           0.00         0.00         0.00         Share Premium         0.00           0.00         19.35         19.35         Capital         0.00           0.00         8.00         Reserves & Surplus         0.00           0.00         11.75         11.75         Cash Subsidy         0.00           0.00         10.00         Accruals         0.00         0.00           0.00         10.00         Borrowings         0.00         0.00           0.00         1.50         Debentures / Bonds         0.00           0.00         3.00         Loans/Deposits         0.00	ExistingProposedTotalParticularsExistingPropose d $0.00$ $0.00$ Capital $0.00$ $15.15$ $0.00$ $0.00$ Share Premium $0.00$ $0.00$ $0.00$ $0.00$ Share Premium $0.00$ $0.00$ $0.00$ $19.35$ $19.35$ Capital $0.00$ $0.00$ $0.00$ $19.35$ $19.35$ Capital $0.00$ $0.00$ $0.00$ $8.00$ Reserves & Surplus $0.00$ $0.00$ $0.00$ $11.75$ Cash Subsidy $0.00$ $0.00$ $0.00$ $10.00$ Accruals $0.00$ $0.00$ $0.00$ $10.00$ Accruals $0.00$ $0.00$ $0.00$ $0.00$ Borrowings $0.00$ $45.45$ $0.00$ $1.50$ Debentures / Bonds $0.00$ $0.00$ $0.00$ $3.00$ Loans/Deposits $0.00$ $0.00$	



Year	Annualised Bo		Book Debt		Divide	Retained		Payout	Probabl	P/E	Yield Price/
			Value		nd Ear		nings		е	Ratio	Book Value
									Market		
									Price		
					Per					No.of	
	EPS	CEPS	Per S	Share	Share	Per Share				Times	
	`	`	`	`	•	%	•	%	`		%
1-						100.0					
2	4.74	9.37	14.74	24.00	0.00	0	4.74	0.00	4.74	1.00	0.00
						100.0					
2-3	8.53	12.60	23.27	18.00	0.00	0	8.53	0.00	8.53	1.00	0.00
						100.0					
3-4	12.19	15.77	35.46	12.00	0.00	0	12.19	0.00	12.19	1.00	0.00
						100.0					
4-5	15.61	18.78	51.07	6.00	0.00	0	15.61	0.00	15.61	1.00	0.00
						100.0					
5-6	18.76	21.57	69.82	0.00	0.00	0	18.76	0.00	18.76	1.00	0.00
				1				The second second			



Year	r D. S. C. R. Debt / Equity Total Retur Profitability Ratio - as- Net n on Deposi Equity Wort Net ts h Worth Debt / Equity as-								Assets Turnov er Ratio					
		Cumula tive	ll 11					GPM	PBT	PAT	Net Contri bution			
	(Number of times)		mes)	•	nber of nes)	%	%	%	%	%		%		
Initi al				3.00	3.00									
1- 2	1.36	1.36		1.63	1.63	2.95		12.82 %	3.85%	2.90%		37.16 %	3.12	1.08
2-3		1.56		0.77	0.77	1.74		14.66 %			106.9	37.03 %		1.30
3-4		1.76	2.22		0.34	1.06		15.87 %			122.1	37.02 %		1.58
4-5	2.78	1.99		0.12	0.12	0.68		16.67			137.4			1.90
5-6		2.22		0.00	0.00	0.45		17.15			152.7			2.66
				N										



BEP
-----

BEP - Maximum Utilisation Year	5		
Cash BEP (% of Installed Capacity)	67.76%		
Total BEP (% of Installed Capacity)	70.55%		
IRR, PAYBACK and FACR			
Internal Rate of Return ( In %age )	31.10%		
	2 Years 3		
Payback Period of the Project is (In Years)	Months		
Fixed Assets Coverage Ratio (No. of times)	18.272		





## Major Queries/Questions Answered in the Report?

- 1. What is A4 and A3 Size Paper Manufacturing industry?
- 2. How has the A4 and A3 Size Paper Manufacturing industry performed so far and how will it perform in the coming years ?
- 3. What is the Project Feasibility of A4 and A3 Size Paper Manufacturing Plant ?
- 4. What are the requirements of Working Capital for setting up A4 and A3 Size Paper Manufacturing plant ?



5. What is the structure of the A4 and A3 Size Paper Manufacturing Business and who are the key/major players ?

- 6. What is the total project cost for setting up A4 and A3 Size Paper Manufacturing Business?
- 7. What are the operating costs for setting up A4 and A3 Size Paper Manufacturing plant ?
- 8. What are the machinery and equipment requirements for setting up A4 and A3 Size Paper Manufacturing plant ?



9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up A4 and A3 Size Paper Manufacturing plant?

- 10. What are the requirements of raw material for setting up A4 and A3 Size Paper Manufacturing plant ?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up A4 and A3 Size Paper Manufacturing Business?
- 12. What is the Manufacturing Process of A4 and A3 Size Paper?



13. What is the total size of land required for setting up A4 and A3 Size Paper Manufacturing plant ?

14. What will be the income and expenditures for A4 and A3 Size Paper Manufacturing Business?

- **15. What are the Projected Balance Sheets of A4 and A3 Size Paper Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up A4 and A3 Size Paper Manufacturing plant?
- 17. What is the Built up Area Requirement and cost for setting up A4 and A3 Size Paper Manufacturing Business?



18. What are the Personnel (Manpower) Requirements for setting up A4 and A3 Size Paper Manufacturing Business?

**19.** What are Statistics of Import & Export for A4 and A3 Size Paper?

**20.** What is the time required to break-even of A4 and A3 Size Paper Manufacturing Business?

21.What is the Break-Even Analysis of A4 and A3 Size Paper Manufacturing plant?

22.What are the Project financials of A4 and A3 Size Paper Manufacturing Business?



23. What are the Profitability Ratios of A4 and A3 Size Paper Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of A4 and A3 Size Paper Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of A4 and A3 Size Paper Manufacturing plant?

26. What is the Process Flow Sheet Diagram of A4 and A3 Size Paper Manufacturing project?



27. What are the Market Opportunities for setting up A4 and A3 Size Paper Manufacturing plant?

28. What is the Market Study and Assessment for setting up A4 and A3 Size Paper Manufacturing Business?

**29.** What is the Plant Layout for setting up A4 and A3 Size Paper Manufacturing Business?



# Table of Contents<br/>of theProject 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. Connectivity

#### 2. INTRODUCTION

- 2.1. PAPER SIZE AND PAPER DENSITY
- 2.2. A4 SIZE PAPER
- 2.3. A3 SIZE PAPER



- **3. SWOT ANALYSIS OF THE PAPER INDUSTRY**
- 3.1. STRENGHTS
- 3.2. WEAKNESSES
- 3.3. OPPORTUNTIES
- 3.4. THREATS
- 4. USES & APPLICATIONS
- 4.1. USES
- 4.2. APPLICATIONS

#### 5. **PROPERTIES**



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

- 6.1. IS 1060: PART 3: 1969 (REAFFIRMED YEAR: 2019) Methods Of Sampling And Test For Paper And Allied Products: Part 3.
- 6.2. IS 1064: 1980 (REAFFIRMED YEAR: 2018) PAPER STANDARD SIZES.
- 6.3. IS 4356: 1967 Paper Cuttings
- 6.4. S 14490: 2018 Plain Copier Paper- Specification.

#### 7. INTERNATIONAL STANDARD PAPER SIZES

- 7.1. The Iso Paper Size Concept
- 7.2. Simple Principles
- 7.3. Width And Height Of All Iso A And B Paper Formats
- 7.4. Application Examples
- 7.5. The Magnification Factors Between All A Aizes



#### 7.6. ENVELOPE FORMATS

#### 8. MARKET SURVEY

8.1. THE GLOBAL CUT SIZE UNCOATED FREESHEET PAPER MARKET

- 8.2. CUT SIZE UNCOATED FREESHEET PAPER MARKET
- 8.2.1. Dynamics
- 8.2.2. Driver
- 8.2.3. Opportunities
- 8.2.4. Restraint
- 8.2.5. Competitive Landscape



#### 8.3. THE GLOBAL MARKET FOR COPIER PAPER

- 8.3.1. Steady Demand for Copier Paper in Emerging Markets
- 8.3.2. Impact of Digitalization on the Copier Paper Market
- 8.3.3. Recent Developments in the Global Copier Paper Market
- 8.3.4. Competitive Landscape

#### 9. EXPORT & IMPORT: ALL COUNTRIES

- 9.1. EXPORT: ALL COUNTRIES
- 9.1.1. Copier Paper A4 Size
- 9.1.2. Litho and Offset Paper
- 9.2. IMPORT: ALL COUNTRIES
- 9.2.1. Copier Paper A4 Size
- 9.2.2. Litho and Offset Paper



# 10. FINANCIALS & COMPARISON OF MAJOR INDIANPLAYERS/COMPANIES

- 10.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 10.2. PROFITS & APPROPRIATIONS
- 10.3. TOTAL LIABILITIES
- 10.4. TOTAL ASSETS
- 10.5. NET CASH FLOW FROM OPERATING ACTIVITIES
- **10.6. SECTION I**
- 10.6.1. Name of Company with Contact Details
- 10.6.2. Name of Director(S)
- 10.6.3. Credit Ratings
- 10.6.4. Plant Capacity
- 10.6.5. Location of Plant

10.6.6. Name of Raw Material(S) Consumed With Quantity & Cost



#### 10.7. SECTION – II

- 10.7.1. Assets
- 10.7.2. Cash Flow
- 10.7.3. Cost as % Ge of Sales
- 10.7.4. Forex Transaction
- 10.7.5. Growth in Assets & Liabilities
- 10.7.6. Growth in Income & Expenditure
- 10.7.7. Income & Expenditure
- 10.7.8. Liabilities
- 10.7.9. Liquidity Ratios
- 10.7.10. Profitability Ratio
- 10.7.11. Profits
- 10.7.12. Return Ratios
- 10.7.13. Structure of Assets & Liabilities (%)



10.7.14. Working Capital & Turnover Ratios

- **11. COMPANY PROFILE OF MAJOR PLAYERS**
- **12. EXPORT & IMPORT STATISTICS OF INDIA**
- 12.1. EXPORT STATISTICS ON A4 COPIER PAPER
- 12.2. IMPORT STATISTICS ON A4 COPIER PAPER
- 12.3. EXPORT STATISTICS ON A3 COPIER PAPER

#### **13. PRESENT MANUFACTURERS**



- 14. A SERIES PAPER SIZES DEFINED
- 14.1. A4/A3 SIZE PAPER
- 14.2. A3 SIZE PAPER
- 14.3. A4 SIZE PAPER
- **15. PRODUCT SPECIFICATION**
- 15.1. PRODUCT FEATURES
- 15.2. PRODUCT SPECIFICATIONS
- 15.2.1. A4 Size Paper
- 15.2.2. A3 Size Paper
- **16. STANDARD INTERNATIONAL PAPER**
- **17. A SERIES PAPER SIZE TOLERANCES**
- **18. RAW MATERIALS**



- **19. MANUFACTURING PROCESS**
- **20. PRODUCT PACKAGING DETAILS**
- 20.1. PACKAGING DETAIL
- 20.2. BASE WEIGHT
- 21. PROCESS FLOW DIAGRAM
- 22. SUPPLIERS OF RAW MATERIAL
- 23. SUPPLIERS OF PLANT & MACHINERY
- 24. PHOTOGRAPHS/IMAGES FOR REFERENCES
- 24.1. MACHINERY PHTOGRAPHS
- 24.2. RAW MATERIAL PHOTOGRAPHS
- 24.3. PRODUCT PHOTOGRAPHS
- 25. 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 & Building. Factory Land & Building Site Development Expenses	4



Plant & Machinery......5 **Indigenous Machineries Other Machineries (Miscellaneous, Laboratory etc.) 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** 



- 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





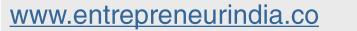
### • Annexure 5 :: Projected Balance Sheets

- 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



- **Product wise Domestic Sales** Annexure 14 •• Realisation
- Annexure 15 ••

•••

- Annexure 16 ::
- Annexure 17 ::
- Annexure 18 •••
- Annexure 19

- **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** Annexure 20 ::



- Annexure 21 ::
- Annexure 22 ::
- Annexure 23
- Annexure 24
- Annexure 25
- Annexure 26
- Annexure 27
- Annexure 28 ::

- :: Employees Expenses
  - :: Fuel Expenses

::

::

•••

::

::

- Power/Electricity Expenses
- **Royalty & Other Charges** 
  - **Repairs & Maintenance Expenses**
  - **Other Manufacturing 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



### **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





#### report





The report titled "Market Survey cum Detailed Techno Economic Feasibility Report on A4 and A3 Size Paper." provides an insight into A4 and A3 Size Paper market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of A4 and A3 Size Paper project. The report assesses the market sizing and growth of the Indian A4 and A3 Size Paper 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: www.entrepreneurindia.co

- 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 A4 and A3 Size Paper sector in India along with its business prospects. Through this report we have identified A4 and A3 Size Paper project as a lucrative investment avenue.





#a4sizepaper #businessconsultant #businessfeasibilityreport #BusinessPlan
#CopierPaper #DetailedProjectReport #educationconsultancy
#EducationSector #photocopypaper #ProjectReport #a3sizepaper

#startupbusinessideas #businessestostart #startupideas #NPCS
#feasibilityReport #projectreport #IndustryDemands #profitablebusiness
#paperindustry



### Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on A4 and A3 Size Paper







## 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



#### <u>Select and Choose the Right Business Startup for You</u>

#### (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: <u>https://www.entrepreneurindia.co/project-identification</u>



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

### Detailed Project Reports

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

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......<u>Read more</u>



## **Contact us**

### **NIIR PROJECT CONSULTANCY SERVICES**

- 106-E, Kamla Nagar, Opp. Spark Mall,
- New Delhi-110007, India.
- Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>
- Tel: +91-11-23843955, 23845654, 23845886
- Mobile: +91-9097075054, 8800733955
- Fax: +91-11-23845886
- Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>
- Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd





# An ISO 9001:2015 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)

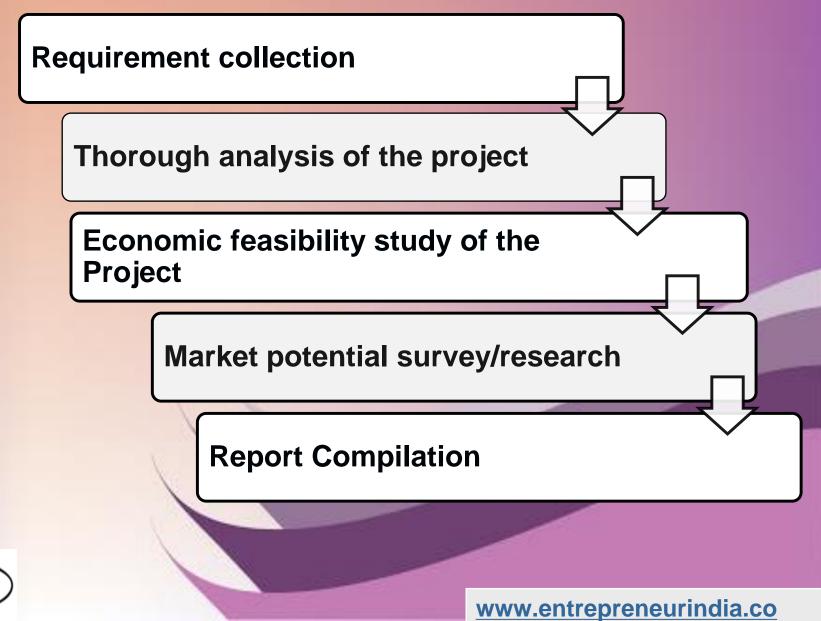


## How are we different ?

- 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**







www.niir.org

### Who do we Serve?

- Public-sector Companies
- Corporates
- Government Undertakings
- Individual Entrepreneurs
- o 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





- 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
- Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- o 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



- o Infrastructure Projects
- Jute & Jute Based Products
- o Leather And Leather Based Projects
- o 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.

<u>www.niir.org</u>



- o Paints, Pigments, Varnish & Lacquer
- o 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
- o Plantations, Farming And Cultivations
- o 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
- o Textile Auxiliary And Chemicals

<u>www.niir.org</u>



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



# MARKET RESEARCH REPORTS

www.niir.org



# 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 Subscriptly by Barbary Strength Stre ©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





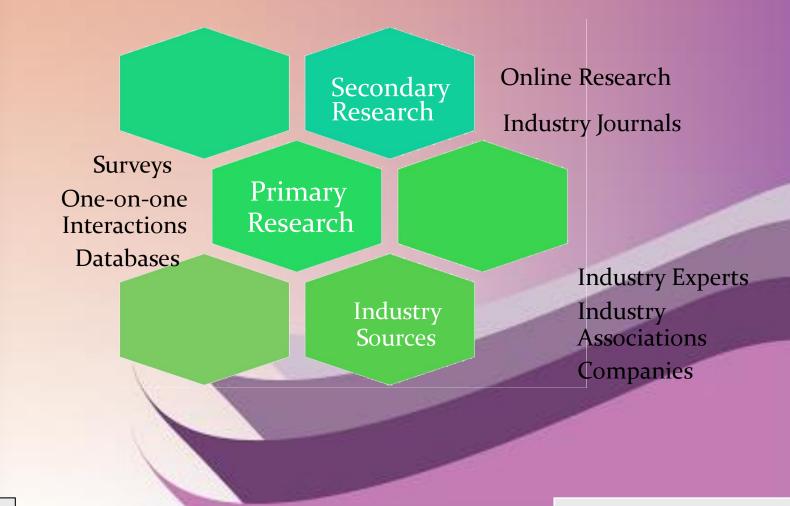
Venturist/Capitalists
Entrepreneur/Companies
Industry Researchers
Investment Funds
Foreign Investors, NRI's
Project Consultants/Chartered Accountants
Banks
Corporates

### Click here for list

www.niir.org



## **Data Sources**







www.niir.org





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
  - $\Box$ 2.1Growth Drivers
  - □2.2Emerging Trends in the Industry
  - □2.3Regulatory Framework
  - $\Box$ 2.4SWOT Analysis
  - 2.5Herfindahl-Hirschman Index (HHI)
- •3. Market Forecasts
- •4. Key Players

www.niir.org



## Structure of the Report Cont

Solution Section Sect



www.niir.org



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



www.niir.org

# **Contact us**

## **NIIR PROJECT CONSULTANCY SERVICES**

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

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

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

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd







<u>https://www.linkedin.com/company/niir-project-</u> <u>consultancy-services</u>



<u>https://www.facebook.com/NIIR.ORG</u>



>https://www.youtube.com/user/NIIRproject



><u>https://twitter.com/npcs\_in</u>



https://www.pinterest.com/npcsindia/



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

THANK YOU

