

Pulp and Paper from Bamboo:

Opportunities in bamboo based industries for New Business Ventures and Investment

Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule, Working Capital Requirement, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

Introduction

Paper is a major product of the forestry industry, and is used widely in our society. Paper products are used not only in their obvious applications in the publishing industry and for writing on, but also in a variety of specialty papers, cardboards, brown papers etc. In addition, various chemicals are produced as a byproduct of the pulp and paper industry.

The use of paper for various purposes is an essential feature of the modern society. Therefore pulp and paper manufacturing is very important part of modern industry. Pulp and paper production is based on the use of bamboo as raw material, but also on the consumption of large-scale chemicals, like chlorine, sodium hydroxide, etc.

Bamboo is a fast-growing, evergreen plant belonging to the botanical family of grasses. It has long been used as a construction material and as a source of implements, weapons, and ornaments in several global regions, particularly in Asia. In these regions, bamboo pulp has also been used to make high-grade papers for many years.

Paper is one of the basic needs of modern life. It is a well-known product, which is the only media of communication through writing. It is then off rital medium for propagation of educations. It is used in every part of life, i.e., education, office, researches, engineering, art, book printing, magazine, newspaper, etc. Bamboo paper has practically the same quality as paper made from wood.



Its brightness and optical properties remain stable, while those of paper made from wood may deteriorate over time. The morphological characteristics of bamboo fibres yield paper with a high tear index, similar to that of hardwood paper. The tensile stiffness is somewhat lower compared with softwood paper.

PROJECT AT A GLANCE

PROJECT AT A GLANCE				(USD in Thousands)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	80.00	80.00	Capital	0.00	3458.43	3458.43
Buildings	0.00	2433.50	2433.50	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	9095.97	9095.97	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	60.00	60.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	628.00	628.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	150.00	150.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	10375.28	10375.28
Preliminary& Pre-operative Exp	0.00	15.00	15.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	900.00	900.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	471.24	471.24				
TOTAL	0.00	13833.71	13833.71	TOTAL	0.00	13833.71	13833.71

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	
	USD	USD	USD	USD	USD	%	USD	%	USD		%
1-2	460.42	987.82	470.42	2400.00	0.00	100.00	460.42	0.00	460.42	1.00	0.00
2-3	730.03	1183.47	1200.45	1800.00	0.00	100.00	730.03	0.00	730.03	1.00	0.00
3-4	998.89	1389.06	2199.34	1200.00	0.00	100.00	998.89	0.00	998.89	1.00	0.00
4-5	1262.61	1598.60	3461.95	600.00	0.00	100.00	1262.61	0.00	1262.61	1.00	0.00
5-6	1518.43	1808.02	4980.38	0.00	0.00	100.00	1518.43	0.00	1518.43	1.00	0.00



PROJECT AT A GLANCE

Year	D. S. C. R.			Debt / - Deposit s 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		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.42	1.42		1.64	1.64	1.95		24.75%	11.38%	9.31%	10976.71	64.19%	1.16	0.93
2-3	1.68	1.54		0.82	0.82	1.06		29.13%	18.29%	12.66%	12681.65	63.57%	1.29	1.45
3-4	2.00	1.68	2.01	0.38	0.38	0.56		32.10%	23.15%	15.15%	14490.35	63.55%	1.33	2.10
4-5	2.39	1.84		0.13	0.13	0.28		34.15%	26.62%	17.02%	16299.05	63.54%	1.31	2.84
5-6	2.87	2.01		0.00	0.00	0.12		35.55%	29.12%	18.43%	18107.75	63.54%	1.24	6.71





PROJECT AT A GLANCE

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	48.53%
Total BEP (% of Installed Capacity)	54.06%

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	26.62%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	4.145



Major Queries/Questions Answered in the Report?

1. What is Pulp and Paper from Bamboo industry?
2. How has the Pulp and Paper from Bamboo industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of a Pulp and Paper from Bamboo Plant?
4. What are the requirements of Working Capital for setting up a Pulp and Paper from Bamboo plant?
5. What is the structure of the Pulp and Paper from Bamboo Business and who are the key/major players?

6. What is the total project cost for setting up a Pulp and Paper from Bamboo plant?
7. What are the operating costs for setting up a Pulp and Paper from Bamboo plant?
8. What are the machinery and equipment requirements for setting up a Pulp and Paper from Bamboo plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Pulp and Paper from Bamboo plant?
10. What are the requirements of raw material for setting up a Pulp and Paper from Bamboo plant?

- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Pulp and Paper from Bamboo plant?**
- 12. What is the Manufacturing Process and Formulations of a Pulp and Paper from Bamboo plant?**
- 13. What is the total size of land required for setting up a Pulp and Paper from Bamboo plant?**
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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*



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
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- *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 *Cont...*

- *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*

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

Niir Project Consultancy Services

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

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

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

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co

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