

Profitable Project Investment Opportunity in
Production of Paper from
Waste Paper, Bamboo Chips,
Rice Husk & Wheat Husk

Paper being one of the basic needs of life, it occupies an important position in the world. Many non-wood fibers can be processed into pulp for paper today. Examples include: bamboo, wheat straw, Rice Husk.



Paper made from rice and wheat husk is widely used for manufacture of corrugated board. It is used for packing and wrapping and in the manufacture of gummed paper tap.

It is also used in wrapping of magazines and journals. There are many end-uses for paper like paper and paper board, newsprint and chemical pulp (used in rayon etc).

Bamboo as a new rapid renewable fiber resource will succeed in the paper industry. There are many benefits to using a non-wood fiber currently, the paper industry uses at least 90% wood chips for its fiber source, Wood chips are the bi-products of the timber industry.



Benefits

There are many benefits to using a non-wood fiber. Wood chips are the by-product of the timber industry. Bamboo is widely used for paper manufacturing, as it is similar to straw in micro social characteristics and conditions for digestion.



Waste paper collected from office buildings, large retail outlets, and apartment buildings is pulped and pulverized in water. About 80 % of available waste paper pulp is used in the manufacture of paper boards.

The paper industry should move away from a dependency on an industry that is highly regulated and drastically fluctuates with changes in other industries.



Alternative fibers also increase employment in the agriculture industry, while protecting forests which are a more fragile eco-system. Non-wood fibers are often more sustainable, bamboo for example uses less water and pesticides.

Bamboo fibers that are too short may not hold up in the paper making process, but bamboo fibers that are too long may not respond to traditional paper processing. With the right bamboo commercial farmers will have very little costs associated with retrofitting machinery.

Project at a Glance

Capacity:	150 MT /Day
Plant & Machinery:	Rs. 340 Lakhs
Working capital:	Rs. 1600 Lakhs
T.C.I:	Rs. 2499 Lakhs
Rate of Return:	81.74%
Break Even Point:	35.60%

**Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Paper From Waste Paper, Bamboo Chips,
Rice Husk & Wheat Husk**

See more:

<http://goo.gl/SIKSZO>

Our Detailed Project Report Contains

➤ Introduction

- Project Introduction
- Project Objective and Strategy
- Concise History of the Product
- Properties
- BIS (Bureau of Indian Standards) Provision & Specification
- Uses & Applications

➤ **Market Study and Assessment**

- **Current Indian Market Scenario**
- **Present Market Demand and Supply**
- **Estimated Future Market Demand and Forecast**
- **Statistics of Import & Export**
- **Names & Addresses of Existing Units (Present Players)**
- **Market Opportunity**

➤ **Raw Material**

- **List of Raw Materials**
- **Properties of Raw Materials**
- **Prescribed Quality of Raw Materials**
- **List of Suppliers and Manufacturers**

➤ **Personnel (Manpower) Requirements**

- **Requirement of Staff & Labor (Skilled and Unskilled) Managerial, Technical, Office Staff and Marketing Personnel**

➤ **Plant and Machinery**

- **List of Plant & Machinery**
- **Miscellaneous Items**
- **Appliances & Equipments**
- **Laboratory Equipments & Accessories**
- **Electrification**
- **Electric Load & Water**
- **Maintenance Cost**
- **Sources of Plant & Machinery (Suppliers and Manufacturers)**

➤ **Manufacturing Process and Formulations**

- **Detailed Process of Manufacture with Formulation**
- **Packaging Required**
- **Process Flow Sheet Diagram**

➤ Infrastructure and Utilities

- Project Location
- Requirement of Land Area
- Rates of the Land
- Built Up Area
- Construction Schedule
- Plant Layout and Requirement of Utilities

Along with project financials, as under:

- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building

Factory Land & Building

Site Development Expenses

- **Plant & Machinery**

Indigenous Machineries

Other Machineries (Miscellaneous, Instruments, Laboratory Equipments and Accessories etc.)

- **Other Fixed Assets**

Furniture & Fixtures

Pre-operative and Preliminary Expenses

Technical Knowhow

Provision of Contingencies

- **Working Capital Requirement Per Month**

Raw Material

Packing Material

Lab & ETP Chemical Cost

Consumable Store

- **Overheads Required Per Month and Per Annum**
Utilities & Overheads (Power, Water and Fuel
Expenses etc.)

Royalty and Other Charges

Selling and Distribution Expenses

- **Salary and Wages**
- **Turnover per Annum**
- **Share Capital**

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-Var./Semi-Fixed Exp.

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 Exp.**
- **Annexure 26** :: **Other Mfg. 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**

See more:

<http://goo.gl/SIKSZO>

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Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company

Who are we?

- ▶ One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- ▶ We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad

What do we offer?

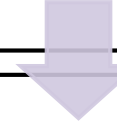
- ▶ Project Identification
- ▶ Detailed Project Reports/Pre-feasibility Reports
- ▶ Market Research Reports
- ▶ Technology Books and Directory
- ▶ Databases on CD-ROM
- ▶ Laboratory Testing Services
- ▶ Turnkey Project Consultancy/Solutions
- ▶ Entrepreneur India (An Industrial Monthly Journal)

How are we different ?

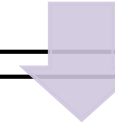
- ▶ We have two decades long experience in project consultancy and market research field
- ▶ We empower our customers with the prerequisite know-how to take sound business decisions
- ▶ We help catalyze business growth by providing distinctive and profound market analysis
- ▶ We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors
- ▶ We use authentic & reliable sources to ensure business precision

Our Approach

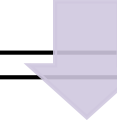
Requirement collection



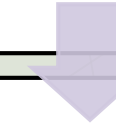
Thorough analysis of the project



Economic feasibility study of the Project



Market potential survey/research



Report Compilation

Who do we serve?

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

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

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