

Waste Paper Recycling, Paper from Waste Paper, Paper Recycling,

*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*

Paper is one the material that can be easily recycled. Recycled paper is paper that was made from paper and paper products that has already been used and recovered. People need to take their time and save the paper products so that they can be recycled.

The Indian paper industry is one of the traditional industries of India consisting of over 500 units with an installed capacity (excluding newsprint) of over 7.5 mn tonne per annum.

The capacity utilisation in the industry has remained low at approximately 60% but has lately picked up. This was owing partly to some 200 mills being small and many of which were sick. Effectively, only 321 mills are operational. Out of these, 172 mills make up for 54% of the market, with the top ten claiming a share of over 28%. The large segment consists of 21 large mills. The incidence of sickness is high in mills with less than 15,000 tpa capacity.

The consumption of paper products is growing at a fast pace of around 6.5% and is expected to further go up in future. The industry now uses three sources of raw materials - recycled paper, wood and agro based, and waste. The recycled paper, comparatively cheaper, comprises almost 40% of the total raw material requirements at present.

Paper is one of the most usable consumer items which has largely used throughout the world. It is generally prepared from cellulosic material by treating it with different type of chemicals and then process through roller and driers to make a suitable quality paper. The quality of paper depends upon the end use of the paper. As the demand for paper has increased, more timber has been needed to meet the demand for wood pulp. By using waste paper to produce new paper the demand can be met to some extent. Waste paper is an important raw material for paper and paper board manufacturing. Consumption of waste paper in India is very low compared to advanced countries. This is mainly due to lack of organized collection. However it is estimated that 25% of all paper consumed in India is now recycled.

It is believed that waste paper might become a major a "raw material" for paper and pulp industry in the world since soft wood is becoming increasingly scarce. Waste paper collection provides regular employment to a substantial number of people, particularly lower income group, in cities. Waste paper in this country is generally obtained from printing, paper converting and packaging industries and from street sweepings. This type of waste paper is of low quality. About 80 percent of available waste paper pulp is used in the manufacture of paper boards. Small scale units depend almost entirely on waste paper as raw material. In India the use of recycled fibre is less in compared to developed countries. So there leaves a lot of ample space for new entrepreneurs to venture into this field. There is a very good scope to venture into this field.

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

Few Indian Major Players are as under

U.P.Straw & Agro Products Limited
The West Coast Paper Mills Ltd.
Ballarpur Industries Limited
ITC Bhadrachalam Paperboards Limited
Aurangabad Paper Mills Ltd.
Ahlstrom Asia Holdings Pte Ltd.
Apcotex Industries Limited
Madhya Bharat Paper Mills Limited

PEMCO INC

Zenith Duplex Board Mills (P) Ltd.

Web Tech Engg Pvt Ltd.

Sud and Waren Pvt. Ltd.

Super India Paper Private Limited

Parwani Papers Pvt. Ltd.

Neeraj Paper Agencies Ltd.

Arihant Trafin Private Limited



Capacity : **15000 MT/Annum**

Plant & Machinery : **868 Lakhs**

Total Capital Investment : **1663 Lakhs**

Rate of Return : **39%**

Break Even Point : **47%**



Major Queries/Questions Answered in the Report?

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

- 5. What is the structure of the Paper from Waste Paper Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Paper from Waste Paper plant ?**
- 7. What are the operating costs for setting up a Waste Paper Recycling plant ?**
- 8. What are the machinery and equipment requirements for setting up a Paper from Waste Paper plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Paper from Waste Paper plant ?

10. What are the requirements of raw material for setting up a Paper from Waste Paper plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Paper from Waste Paper plant ?

12. What is the Manufacturing Process and Formulations of a Paper from Waste Paper plant ?

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

18. What are the Personnel (Manpower) Requirements for setting up a Paper from Waste Paper Business?

19. What are Statistics of Import & Export for Waste Paper Recycling ?

20. What is the time required to break-even?

21. What is the Break-Even Analysis of a Paper from Waste Paper plant?

22. What are the Project financials of a Paper from Waste Paper plant?

23. What are the Profitability Ratios of a Coir Geotextiles plant?

24. What is the Sensitivity Analysis-Price/Volume of a Paper from Waste Paper plant?

25. What are the Projected Pay-Back Period and IRR of a Waste Paper Recycling plant?

26. What is the Process Flow Sheet Diagram of a Paper from Waste Paper project?

- 27. What are the Market Opportunities for setting up a Paper from Waste Paper plant?**
- 28. What is the Market Study and Assessment for setting up a Paper from Waste Paper plant?**
- 29. What is the Plant Layout for setting up a Paper from Waste Paper 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. Location & Geographical Area

1.1.3. Topography

1.1.4. Administrative set up

1.1.5. Map

1.1.6. Industry at a Glance

2. INTRODUCTION

3. STANDARD QUALITIES OF WASTE PAPER

3.1. Group A - Ordinary Qualities

3.2. Group B - Middle Qualities

3.3. Group C - High Qualities

4. USES AND APPLICATIONS

5. B.I.S. SPECIFICATIONS

5.1. IS : 1064 - Paper sizes

5.2. IS : 4661 - Paper Trade and Industry Glossary

5.3. IS : 1061 - Paper Sampling and Tests

5.4. IS : 9894 - Methods of Test for Paper Smoothness or Roughness.

6. MARKET SURVEY

7. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

7.1. About Financial Statements of CMIE Database

7.2. Profits & Appropriations

7.3. Total Liabilities

7.4. Total Assets

7.5. Net Cash Flow from Operating Activities

7.6. Section – I

7.6.1. Name of Company with Contact Details

7.6.2. Name of Director(S)

7.6.3. Plant Capacity

7.6.4. Location of Plant

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

7.7. Section – II

7.7.1. Assets

7.7.2. Cash Flow

7.7.3. Cost as % Ge of Sales

7.7.4. Forex Transaction

7.7.5. Growth in Assets & Liabilities

7.7.6. Growth in Income & Expenditure

7.7.7. Income & Expenditure

7.7.8. Liabilities

7.7.9. Liquidity Ratios

7.7.10. Profitability Ratio

- 7.7.11. Profits
- 7.7.12. Return Ratios
- 7.7.13. Structure of Assets & Liabilities (%)
- 7.7.14. Working Capital & Turnover Ratios

8. EXPORT & IMPORT STATISTICS DATA OF INDIA

- 8.1. Export Statistics on Recycle Paper
- 8.2. Export Statistics on Recycle Paper

9. PRESENT MANUFACTURERS

10. RAW MATERIAL FOR PAPER MANUFACTURING

10.1. Waste Paper

10.2. Various Sources of Waste Paper

10.3. Procedures of Collection

10.4. Collection and Grading of Waste Paper

11. MANUFACTURING PROCESS

**12. VERTICAL CIRCULATION DEINKING WITH BREABEN
BEATER**

13. PROCESS FLOW DIAGRAM

14. TESTING PAPER

15. PLANT & MACHINERY SUPPLIERS

16. SUPPLIERS OF RAW MATERIALS

17. PLANT LAYOUT

**18. MACHINERY, RAW MATERIAL & PRODUCT
PHOTOGRAPHS**

18.1. Machinery Photographs

18.2. Raw Material Photographs

18.3. Product Photographs

Project Financials

- **Project at a Glance** **Annexure**
- Assumptions for Profitability workings1
- 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 Wages9**
- **Turnover Per Annum10**
- **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**

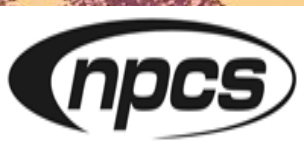
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Paper from Waste Paper

See more:

<http://goo.gl/yq5ggz>

<http://goo.gl/ey9qv3>

<http://goo.gl/7jqgAW>



Visit us at

www.entrepreneurindia.co



**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>



Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company



www.entrepreneurindia.co

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*

- *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*

- *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*

- *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*

Contact us

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

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://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ https://twitter.com/npcs_in



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





For more information, visit us at:

www.entrepreneurindia.co

