Particle Board (Wood Base)

Particle Boards are a relatively new type of engineered wood product that are made from gluing together small chips and saw-dust and firmly pressing them together to make boards or sheet with particle board furniture becoming more commonly available in the market.

Particle boards are engineered wood products that are made from very small particles of wood (such as sawdust and small wood flakes). These wood particles are often the by-products that are obtained while making other types of wood such as plywood or blackboards, and hence particle boards are very cost-effective to make.
The main advantage of particle board over solid wood or plywood is that its cost is very low. Compared to plywood furniture of similar dimensions, particle board furniture costs less than half. This low cost of course comes at a price, because particle boards are not as durable as plywood or solid wood.

Particle boards are much cheaper compared to solid wood, as also cheaper than all the other kinds of engineered woods such as plywood, block boards, MDF (medium density fibre-boards) and HDF (high density fibre-boards). Therefore, it is a good project for entrepreneurs to invest.
Few Indian Major Players are as under

- Archidply Industries Ltd.
- Bajaj Eco-Tec Products Ltd.
- Bajaj Hindusthan Sugar Ltd.
- Century Plyboards (India) Ltd.
- Ecoboard Industries Ltd.
- Feroke Boards Ltd.
• Genus Paper Products Ltd.
• Kitply Industries Ltd.
• Madras Chipboard Ltd.
• N C L Industries Ltd.
• Rushil Decor Ltd.
• Shirdi Industries Ltd.
• Western India Plywoods Ltd.
## Project at a Glance

### Cost of Project

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land &amp; Site Development Exp.</td>
<td>0.00</td>
<td>90.00</td>
<td>90.00</td>
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<tr>
<td>Buildings</td>
<td>0.00</td>
<td>286.20</td>
<td>286.20</td>
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<tr>
<td>Plant &amp; Machineries</td>
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<td>1521.64</td>
<td>1521.64</td>
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<tr>
<td>Motor Vehicles</td>
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<tr>
<td>Office Automation Equipments</td>
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<tr>
<td>Technical Knowhow Fees &amp; Exp.</td>
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<tr>
<td>Preliminary &amp; Pre-operative Exp.</td>
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<td>Provision for Contingencies</td>
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<td>Margin Money - Working Capital</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td>2501.96</td>
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### Means of Finance

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<td>Reserves &amp; Surplus</td>
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<td>Cash Subsidy</td>
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<td>Internal Cash Accruals</td>
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<td>Long/Medium Term Borrowings</td>
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<td>Unsecured Loans / Deposits</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td>Year</td>
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<td>1-2</td>
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<td>D. S. C. R.</td>
<td>Debt / - Deposit s Debt</td>
<td>Equity as- Equity</td>
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<tr>
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<td>-------------</td>
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<td>Cumulative</td>
<td>Overall</td>
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<tr>
<td></td>
<td>(Number of times)</td>
<td>(Number of times)</td>
<td>%</td>
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<td>5-6</td>
<td>3.01</td>
<td>2.07</td>
<td>0.00</td>
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</table>
# Project at a Glance

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td><strong>BEP</strong></td>
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<tr>
<td>BEP - Maximum Utilisation Year</td>
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<tr>
<td>Cash BEP (% of Installed Capacity)</td>
<td>49.34%</td>
</tr>
<tr>
<td>Total BEP (% of Installed Capacity)</td>
<td>54.19%</td>
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<tr>
<td><strong>IRR, Payback and FACR</strong></td>
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</tr>
<tr>
<td>Internal Rate of Return (in %)</td>
<td>28.11%</td>
</tr>
<tr>
<td>Payback Period of the Project (in Years)</td>
<td>2 Years 3 Months</td>
</tr>
<tr>
<td>Fixed Assets Coverage Ratio (No. of times)</td>
<td>5.805</td>
</tr>
</tbody>
</table>
Major Queries/Questions Answered in the Report?

1. What is Particle Board (Wood Based) industry?
2. How has the Particle Board (Wood Based) industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of a Particle Board (Wood Based) Plant?
4. What are the requirements of Working Capital for setting up an Particle Board (Wood Based) plant?
5. What is the structure of the Particle Board (Wood Based) industry and who are the key/major players?
6. What is the total project cost for setting up an Particle Board (Wood Based) plant?
7. What are the operating costs for setting up an Particle Board (Wood Based) plant?
8. What are the machinery and equipment requirements for setting up an Particle Board (Wood Based) plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up an Particle Board (Wood Based) plant?

10. What are the requirements of raw material for setting up an Particle Board (Wood Based) plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up an Particle Board (Wood Based) plant?

12. What is the Manufacturing Process and Formulations of an Particle Board (Wood Based) plant?
13. What is the total size of land required for setting up an Particle Board (Wood Based) plant?
14. What will be the income and expenditures for an Particle Board (Wood Based) plant?
15. What are the Projected Balance Sheets of an Particle Board (Wood Based) plant?
16. What are the requirement of utilities and overheads for setting up an Particle Board (Wood Based) plant?
17. What is the Built up Area Requirement and cost for setting up an Particle Board (Wood Based) plant?
18. What are the Personnel (Manpower) Requirements for setting up an Particle Board (Wood Based) plant?

19. What are Statistics of Import & Export for Particle Board (Wood Based)?

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

21. What is the Break-Even Analysis of an Particle Board (Wood Based) plant?

22. What are the Project financials of an Particle Board (Wood Based) plant?
23. What are the Profitability Ratios of an Particle Board (Wood Based) plant?

24. What is the Sensitivity Analysis-Price/Volume of an Particle Board (Wood Based) plant?

25. What are the Projected Pay-Back Period and IRR of an Particle Board (Wood Based) plant?

26. What is the Process Flow Sheet Diagram of an Particle Board (Wood Based) plant?

27. What are the Market Opportunities for setting up an Particle Board (Wood Based) plant?
28. What is the Market Study and Assessment for setting up an Particle Board (Wood Based) plant?

29. What is the Plant Layout for setting up an Particle Board (Wood Based) plant?
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       1.1.3. Topography
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       1.1.6. Large Scale Industries/Public Sector Undertakings
       1.1.7. Map

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5. Application

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9. Market Survey

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10.4. Total Assets
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   10.6.1. Name Of Company With Contact Details
   10.6.2. Name Of Director(s)
   10.6.3. Plant Capacity
   10.6.4. Location Of Plant
   10.6.5. Name Of Raw Material(s) Consumed With Quantity & Cost
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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
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11.1. Export Statistics Data On Particle Board (Wood Base)
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12. Present Manufacturers

13. Raw Material

14. Manufacturing Process

15. Process Flow Diagram

16. Suppliers Of Plant & Machinery
16.1. Complete Machinery Suppliers

17. Suppliers Of Raw Material
   17.1. Suppliers Of Raw Material

18. Product, Machinery & Raw Material Photographs
   18.1. Particle Boards
   18.2. Machinery Photographs
   18.3. Raw Material Photographs

19. Plant Layout

20. Quotation Of Plant, Machinery and Equipments From Supplier

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- Plant Economics
- Production Schedule
- Land & Building
  Factory Land & Building
  Site Development Expenses

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  - Indigenous Machineries
  - Other Machineries (Miscellaneous, Laboratory etc.)

• **Other Fixed Assets**
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  - Pre-operative and Preliminary Expenses
  - Technical Knowhow
  - Provision of Contingencies

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  - Raw Material
  - Packing Material
  - Lab & ETP Chemical Cost
  - Consumable Store
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• Turnover Per Annum .........................................................................10

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  Preference Share Capital
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- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
- Net Cash Accruals
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- Current Liabilities
- Net Working Capital
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  ▪ ROI (Average of Total Assets)

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  ▪ Earnings Per Share (EPS)
  ▪ Debt Equity Ratio
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- Semi-Variable/Semi-Fixed Expenses
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- Fixed Expenses / Cost
- B.E.P
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- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
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- Preference Share Capital

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- Achievable Efficiency/Yield % of Products/Services/Items
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• Annexure 16 :: Raw Material Cost per unit
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- Annexure 23 :: Power/Electricity Expenses
- Annexure 24 :: Royalty & Other Charges
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- 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)
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• Annexure 34 :: Tax on Profits
• Annexure 35 :: Projected Pay-Back Period and IRR
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Particle Board (Wood Base)

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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

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- Market Research Reports
- Technology Books and Directory
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We use authentic & reliable sources to ensure business precision
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1. Requirement collection
2. Thorough analysis of the project
3. Economic feasibility study of the Project
4. Market potential survey/research
5. Report Compilation
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- Corporates
- Government Undertakings
- Individual Entrepreneurs
- NRI’s
- Foreign Investors
- Non-profit Organizations, NBFC’s
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations

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- 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

- 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

- 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

- 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

- 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

- 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

- 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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