uPVC Profiles for Doors and Windows
**Introduction**

uPVC products are fire retardant. This is because they contain more than 70% unplasticised uPVC which turns 57% Chlorine. This contribute efficiently to the flame retardant. Further, it has very high ignition temperature 400°C against 210°C of wood and has an index of 50% against 21% for wood.
uPVC Windows are especially made to suit the Indian climate. The profiles are made to adopt to various Indian climates like extreme heat & cold, heavy rainfall. The uPVC Windows can be broadly categorized in 2 types.
uPVC Sliding Windows system can be Two Track - Three Track or multi Track shutters with the provision of Dust & moisture proof wire mesh shutter with modern locking, technically design, strong durable, no chocking of shutters, Airtight, Sound proof and suitable to all weather condition.
Few Indian Major Players are as under

- D C M Shriram Ltd.
- Elgi Building Products Ltd.
- N C L Alltek & Seccolor Ltd.
- Nirav Commercials Ltd.
## PROJECT AT A GLANCE

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
<th>Particulars</th>
<th>Existing</th>
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<td>Dividend</td>
<td>Retained Earnings</td>
<td>Payout</td>
<td>Probable Market Price</td>
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## PROJECT AT A GLANCE

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<th>Year</th>
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<td>as- Equity</td>
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<tr>
<td></td>
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<td>2.43</td>
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<td>5-6</td>
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## Project at a Glance

<table>
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<th>BEP</th>
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<tbody>
<tr>
<td><strong>BEP - Maximum Utilisation Year</strong></td>
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<tr>
<td><strong>Cash BEP (% of Installed Capacity)</strong></td>
<td>38.70%</td>
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<tr>
<td><strong>Total BEP (% of Installed Capacity)</strong></td>
<td>41.48%</td>
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### IRR, Payback and FACR

| Internal Rate of Return (In %age)         | 25.95%|
| Payback Period of the Project (In Years) | 2 Years 3 Months |
| Fixed Assets Coverage Ratio (No. of times) | 4.393  |
1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
   1.1. General
   1.2. Climate & Rainfall
   1.3. Economy & Industries
   1.4. Transportation and Communications
   1.5. Map

2. INTRODUCTION
   2.1. Benefits of uPVC Windows and Doors

3. PRODUCT DETAILS
   3.1. uPVC Windows
   3.2. uPVC Sliding Windows
4. **PROPERTIES AND APPLICATIONS**

4.1. Physical Properties
4.2. Stabilizers

5. **MARKET SURVEY**

5.1. uPVC Window and Door Profiles
5.2. Present Scenario
5.3. Overview of Global Markets
5.4. Current Status
5.5. Challenges Faced
5.6. Focus Areas
5.7. Expected Growth
5.8. Upvc Product Makers Enter NCR Market
5.9. Dealers' Business
5.10. Alternate Profiles
5.11. Market Movements
5.12. Made for India
5.13. EN Craft Sliding Window
5.14. Long-term Growth

6. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES
6.1. About Financial Statements of CMIE Database
6.2. Profits & Appropriations
6.3. Total Liabilities
6.4. Total Assets
6.5. Net Cash Flow from Operating Activities
6.6. Section – I
   6.6.1. Name of Company with Contact Details
   6.6.2. Name of Director(S)
   6.6.3. Plant Capacity
   6.6.4. Location of Plant
   6.6.5. Name of Raw Material(S) Consumed with Quantity & Cost

6.7. Section – II
   6.7.1. Assets
   6.7.2. Cash Flow
   6.7.3. Cost as % Age of Sales
   6.7.4. Forex Transaction
   6.7.5. Growth in Assets & Liabilities
6.7.6. Growth in Income & Expenditure
6.7.7. Income & Expenditure
6.7.8. Liabilities
6.7.9. Liquidity Ratios
6.7.10. Profitability Ratio
6.7.11. Profits
6.7.12. Return Ratios
6.7.13. Structure of Assets & Liabilities (%)
6.7.14. Working Capital & Turnover Ratios

7. EXPORT & IMPORT STATISTICS DATA OF INDIA
7.1. Export Statistics Data for uPVC Window
7.2. Import Statistics Data for UPVC Window
7.3. Export Statistics Data for uPVC Door
7.4. Import Statistics Data for uPVC Door
8. PRESENT MANUFACTURERS

9. RAW MATERIAL

10. MANUFACTURING PROCESS

11. PROCESS FLOW DIAGRAM

12. SUPPLIERS OF PLANT & MACHINERY
   12.1. Complete Machinery Suppliers
13. SUPPLIERS OF RAW MATERIAL

14. PRODUCT, MACHINERY & RAW MATERIAL PHOTOGRAPHS

15. PLANT LAYOUT

16. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER
Project Financials

- Project at a Glance
- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building

Factory Land & Building
Site Development Expenses

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• **Plant & Machinery**
  
  Indigenous Machineries
  Other Machineries (Miscellaneous, Laboratory 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..........................8
  Utilities & Overheads (Power, Water and Fuel Expenses etc.)
  Royalty and Other Charges
  Selling and Distribution Expenses

• Salary and Wages ......................................................................................9

• Turnover Per Annum ..................................................................................10

• Share Capital................................................................................................11
  Equity Capital
  Preference Share Capital

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• 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 **uPVC Profiles for Doors and Windows**

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- Detailed Project Reports/Pre-feasibility Reports
- Market Research Reports
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- Entrepreneur India (An Industrial Monthly Journal)
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- Thorough analysis of the project
- Economic feasibility study of the Project
- Market potential survey/research
- Report Compilation
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- Government Undertakings
- Individual Entrepreneurs
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- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
- Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling
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- Building Materials And Construction Projects
- Biodegradable & Bioplastic Based Projects
- Chemicals (Organic And Inorganic)
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- Coconut And Coconut Based Products
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- Coal & Coal Byproduct

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- Engineering Goods
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
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Sectors We Cover

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- 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
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- 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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