PVC Conduit Pipes Manufacturing Business.

Electrical PVC Pipe Production.

Electrical Conduit Pipe Market is projected to register a CAGR of 3.5% by 2025

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Introduction

Use of PVC pipes as electrical conduits is well accepted in household and industrial activities. PVC pipes of different diameters have gained wider acceptance for water supply. Their light weight, low cost, easy installation, non-corrosiveness, high tensile strength to withstand high fluid pressure make them ideal for number of purposes. They also offer resistance to most of the chemicals and have excellent electrical and heat insulation properties. Due to the chemical resistant properties the PVC pipe fittings are widely used in these areas.
PVC pipes and fittings are mainly used in all sectors but the major usages are in household water supply, electrification in houses and industries, and irrigation facilities in agriculture. PVC conduit is used primarily in electrical systems. PVC conduit typically works as housing for wiring.
Market Outlook

Growing urbanization increases demand for electrical conduit pipe. It is estimated that China, the U.S. and India are prominent regions where rural areas are being converted into urban areas and these countries will collectively be responsible for more than a 50% share of the growth in the construction industry by the end of 2020. With this continuous growth in the building & construction industry, the demand for electrical conduit pipes is expected to increase over the forecast period with the increase in urbanization. Moreover, increasing projects in the field of electrification and power supply also provide ample opportunity for the growth of the electrical conduit pipe market.
The global electrical conduit pipe market is anticipated to grow at a steady rate to reach a significant value by the end of the assessment period. In 2017, the global electrical conduit pipe market reflected a value of about US$ 25 Bn and is estimated to reach a market valuation of more than US$ 33 Bn by the end of the period of assessment. The global market is projected to register a CAGR of 3.5% throughout the period of forecast, 2017-2025.
Global Electrical Conduit Pipe Market Value, By Material Type, 2014-2025 (US$ Mn)

- **Plastic**: 16,503.6 (US$ Mn)
- **CAGR of 4.0% (2017-2025)**

- Metal

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On the basis of different materials, the market has bifurcated into plastic and metal. Some materials, such as PP, LDPE, PVC, HDPE and others, are included in the plastic type materials segment. Beside these, stainless, aluminum and galvanized steel fall into metal type materials. The plastic segment is likely to experience as the largest and fastest growth segment in the global market for electrical conduit pipe.
The growth of the global electrical conduit pipe market is influenced by several factors. To name a few, growing electronics industry fuelling the growth of the global market for electrical conduit pipes, replacement of aged pipes, enhancements in conduit pipes, ease of installation and very less maintenance, rising demand for HDPE pipes, demand for electrical conduit pipes to rise owing to higher adoption by telecommunication operations by various end use industries, market consolidation and expansion, rising infrastructure development and also their benefits such as anti-corrosion properties are expected to boost the demand and hence spur the growth of the electrical conduit pipes market. Few factors like price and currency volatility, higher cost of plastic recycling, slowdown in the demand in the residential sector and excessive production of steel can prove to be main challenges to the growth of the electrical conduit pipes market.
Electrical Conduit Market will grow on account of growing demand for highly safe, secure, and effective wiring systems along with increasing demand for cable management systems. The increasing need for simpler, safer and frequently alterable electrical conduits will drive the industry growth. Growing urbanization in the emerging economies will further boost the demand for these products.

With this continuous growth in the building & construction industry, the demand for electrical conduit pipes is expected to increase over the forecast period with the increase in urbanization. Moreover, increasing projects in the field of electrification and power supply also provide ample opportunity for the growth of the electrical conduit pipe market.
Rapid technological advancements along with several ongoing R&D ventures toward developing shockproof and enhanced waterproof conduits will stimulate the electric conduit market size. Furthermore, the growing need to develop specialized equipment for encasing and routing will fuel the industry growth. Provision of halogen free and green conduit systems specific to food and healthcare segments will create new opportunities in the electrical conduit market.
Machinery Photographs

Extruder

Electric Conduits Mould
Vacuum Sizing Cooling Water Tank

Double Position Traction & Cutting Machine

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## Project at a Glance

### Cost of Project

<table>
<thead>
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<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
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### Means of Finance

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## Project at a Glance

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<th>Price/Book Value</th>
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<td>Per Share</td>
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## Project at a Glance

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<th>Profitability Ratio</th>
<th>Asset Turnover Ratio</th>
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<td>19.23%</td>
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<td>832.8%</td>
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<td>30.56%</td>
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<td>17.65%</td>
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# Project at a Glance

## BEP

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<td>Total BEP (% of Installed Capacity)</td>
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<td>IRR, PAYBACK and FACR</td>
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<td>Payback Period of the Project is ( In Years )</td>
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<td>months</td>
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<td>Fixed Assets Coverage Ratio ( No. of times )</td>
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</table>
1. What is PVC Conduit Pipes Manufacturing industry?

2. How has the PVC Conduit Pipes Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of PVC Conduit Pipes Manufacturing Plant?

4. What are the requirements of Working Capital for setting up PVC Conduit Pipes Manufacturing plant?
5. What is the structure of the PVC Conduit Pipes Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up PVC Conduit Pipes Manufacturing Business?

7. What are the operating costs for setting up PVC Conduit Pipes Manufacturing plant?

8. What are the machinery and equipment requirements for setting up PVC Conduit Pipes Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up PVC Conduit Pipes Manufacturing plant?

10. What are the requirements of raw material for setting up PVC Conduit Pipes Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up PVC Conduit Pipes Manufacturing Business?

12. What is the Manufacturing Process of PVC Conduit Pipes?
13. What is the total size of land required for setting up PVC Conduit Pipes Manufacturing plant?

14. What will be the income and expenditures for PVC Conduit Pipes Manufacturing Business?

15. What are the Projected Balance Sheets of PVC Conduit Pipes Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up PVC Conduit Pipes Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up PVC Conduit Pipes Manufacturing Business?
18. What are the Personnel (Manpower) Requirements for setting up PVC Conduit Pipes Manufacturing Business?

19. What are Statistics of Import & Export for PVC Conduit Pipes?

20. What is the time required to break-even of PVC Conduit Pipes Manufacturing Business?

21. What is the Break-Even Analysis of PVC Conduit Pipes Manufacturing plant?

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23. What are the Profitability Ratios of PVC Conduit Pipes Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of PVC Conduit Pipes Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of PVC Conduit Pipes Manufacturing plant?

26. What is the Process Flow Sheet Diagram of PVC Conduit Pipes Manufacturing project?
27. What are the Market Opportunities for setting up PVC Conduit Pipes Manufacturing plant?

28. What is the Market Study and Assessment for setting up PVC Conduit Pipes Manufacturing Business?

29. What is the Plant Layout for setting up PVC Conduit Pipes Manufacturing Business?
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   1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
       1.1.1. General
       1.1.2. Physical Characteristics
       1.1.3. Languages and Culture
       1.1.4. Climate & Rainfall
       1.1.5. Map
       1.1.6. Transportation and Communications
       1.1.7. Economy & Industry

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4. ADVANTAGES OF USING PVC PIPES

5. PVC PIPE APPLICATIONS

6. STANDARD SPECIFICATIONS OF PVC PIPES
   6.1. STANDARD DIMENSIONS AND WEIGHT OF PVC PIPE
   6.2. TECHNICAL CHARACTERISTICS OF PVC PIPE

7. B.I.S. SPECIFICATIONS
   7.1. IS: 9537.3.1983 SPECIFICATION FOR CONDUITS FOR ELECTRICAL INSTALLATION
   7.2. IS: 9537.4.1983 SPECIFICATION FOR CONDUITS FOR ELECTRICAL INSTALLATIONS
   7.3. IS: 14763 – 2000 CONDUITS FOR ELECTRICAL PURPOSES – OUTSIDE DIAMETERS OF CONDUITS FOR ELECTRICAL INSTALLATION AND THREADS FOR CONDUITS AND FITTINGS - SPECIFICATION
7.4. IS: 14787 – 2000 UNPLASTICIZED PVC PIPES (DUCTS) AND FITTINGS FOR UNDERGROUND TELECOMMUNICATIONS CABLE INSTALLATION — SPECIFICATION

8. MARKET SURVEY
8.1. POLYMERS
8.2. MARKET STRUCTURE

9. EXPORT & IMPORT: ALL COUNTRIES
9.1. EXPORT: ALL COUNTRIES
9.2. IMPORT: ALL COUNTRIES

10. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES
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10.2. PROFITS & APPROPRIATIONS
10.3. TOTAL LIABILITIES
10.4. TOTAL ASSETS
10.5. NET CASH FLOW FROM OPERATING ACTIVITIES
10.6. SECTION –I
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10.6.2. Name of Director(S)
10.6.3. Credit Ratings
10.6.4. Plant Capacity
10.6.5. Location of Plant
10.6.6. Name of Raw Material(S) Consumed With Quantity & Cost
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10.7.1. Assets
10.7.2. Cash Flow
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10.7.9. Liquidity Ratios
10.7.10. Profitability Ratio
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10.7.12. Return Ratios
10.7.13. Structure of Assets & Liabilities (%)
10.7.14. Working Capital & Turnover Ratios

11. COMPANY PROFILE OF MAJOR PLAYERS

12. EXPORT STATISTICS DATA OF INDIA
12.1. EXPORT STATISTICS DATA FOR PVC CONDUIT PIPE

13. PRESENT MANUFACTURERS

14. PROPERTIES OF RAW MATERIALS
14.1. PHYSICAL PROPERTIES
14.2. CHEMICAL PROPERTIES
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15. COMPOUND OF POLYVINYL CHLORIDE

16. PVC ADDITIVES
16.1. FORMULATING PVC PRODUCTS
17. MANUFACTURING PROCESS
17.1. FORMULATION FOR P.V.C. CONDUIT PIPES
17.2. PREPARATION OF P.V.C. COMPOUND
17.3. PROCESSING STEPS

18. PROCESS FLOW DIAGRAM

19. BUYER’S LIST
19.1. CONTACT DETAILS OF BUYER’S
19.2. NAME OF DIRECTOR(S)
19.3. CREDIT RATINGS
19.4. PLANT CAPACITY
19.5. LOCATION OF PLANT
19.6. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

20. PVC PIPE EXTRUSION SYSTEM

21. ENVIRONMENTAL EFFECT

22. SUPPLIERS OF PLANT & MACHINERY

23. SUPPLIERS OF RAW MATERIAL

24. PHOTOGRAPHS/IMAGES FOR REFERENCE
24.1. PRODUCT PHOTOGRAPHS
24.2. MACHINERY PHOTOGRAPHS
24.3. RAW MATERIAL PHOTOGRAPHS

25. PLANT LAYOUT

26. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER
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- Production Schedule
- Land & Building

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  Other Machineries (Miscellaneous, Laboratory etc.)

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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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- Expenses/Cost of Products/Services/Items
- Gross Profit
- Financial Charges
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- Net Cash Accruals
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  - Achievable Efficiency/Yield % of Products/Services/Items
  - Net Usable Load/Capacity of Products/Services/Items
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Reasons for Buying our 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 PVC Conduit Pipes.” provides an insight into PVC Conduit Pipes market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of PVC Conduit Pipes project. The report assesses the market sizing and growth of the Indian PVC Conduit Pipes 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 PVC Conduit Pipes sector in India along with its business prospects. Through this report we have identified PVC Conduit Pipes project as a lucrative investment avenue.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on PVC Conduit Pipes Manufacturing Business.

Electrical PVC Pipe Production.

Electrical Conduit Pipe Market is projected to register a CAGR of 3.5% by 2025

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The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as 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, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

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Our Approach

- Requirement collection
- Thorough analysis of the project
- Economic feasibility study of the Project
- Market potential survey/research
- Report Compilation
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