PVC Wire and Cable Manufacturing Industry.

Electrical Cables.

Electric Wire for House.

Production of PVC Insulated House Wire

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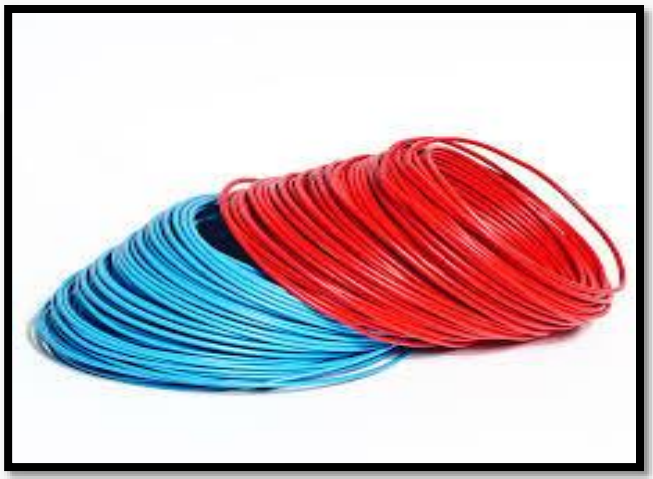
Introduction

House wiring consists of an electrical wiring system that distributes energy to be used in equipment and appliances around the house. It also involves the proper installation and operation of the electrical outlets, switches, breakers, meter base and different electrical circuits.

Features

- Excellent Electrical & mechanical properties.
- High Flame retardant properties.
- Higher Flexibility ensure easy handling & longer life.
- Steam and boiling water resistant & anti-rodent.
- 100% copper conductivity
- 99.96% pure electrolytic copper
- Dual layer in insulation provides better strength
- High flexibility due to uniform bunching.
- Attractive packaging
- High ageing property

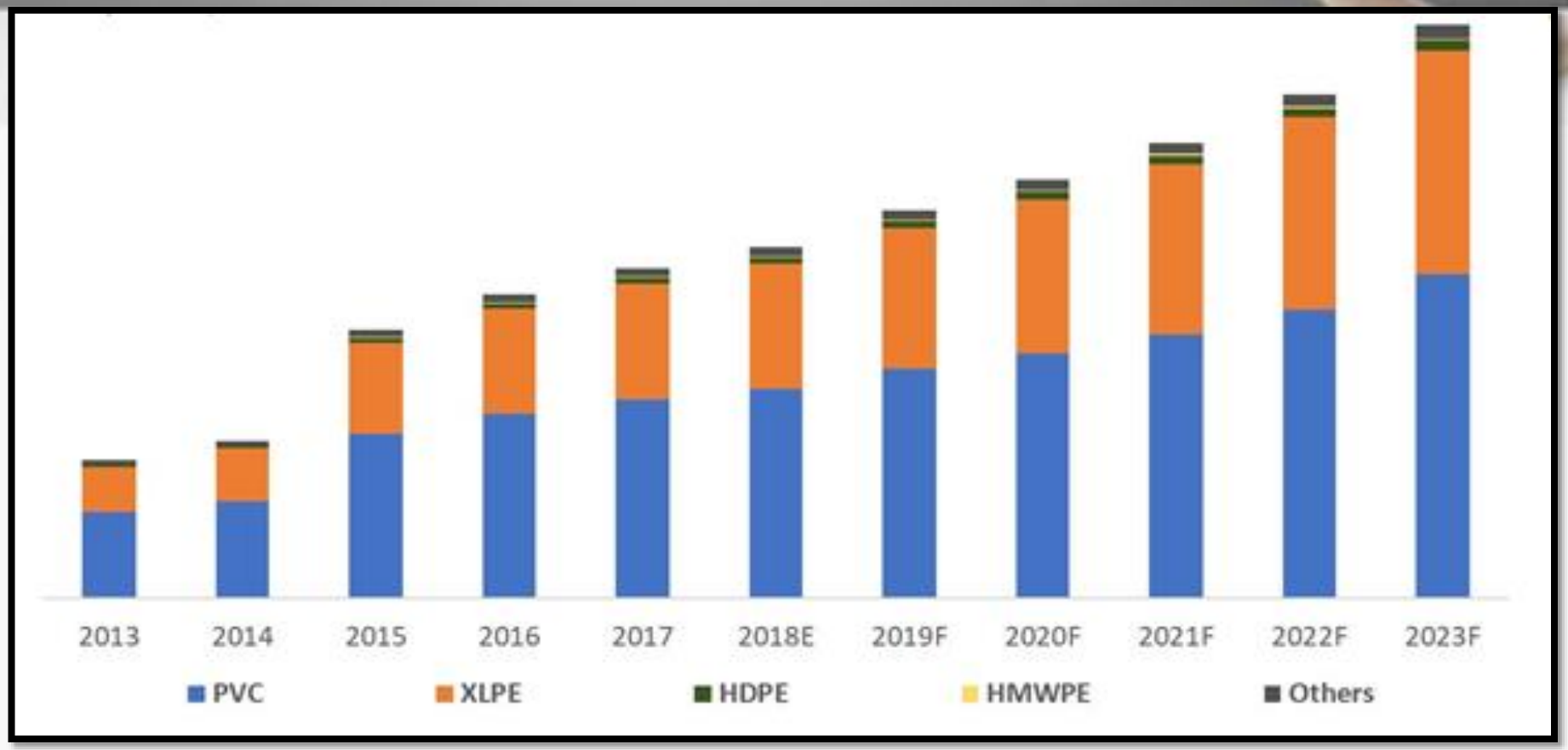
These wires are flame retardant and PVC insulated making them highly suitable for domestic household applications. These house wires at highly economical prices in market. The wire offered by is widely used in houses and apartments for wiring purposes. Available in numerous technical specifications, this wire is known for its excellent finish, durability and can be availed at marginal prices.



Market Outlook

India insulated wire and cable market is forecast to grow at a CAGR of 10.3% through 2023, predominantly on account of growing government investments towards infrastructure development projects. Development of Smart Cities across the country under Smart Cities Mission coupled with increasing number of electronic devices per household and development of manufacturing industries under the 'Make in India' initiative, which is driving demand for power, are expected to boost market demand in the coming years. Moreover, growing demand for reliable, efficient energy and data communication from rural areas and tier II and tier III cities and towns would positively influence the country's insulated wire and cable market.

India Insulated Wire and Cable Market Size, By Type, By Value, 2013-2023F



Moreover, growing demand for reliable, efficient energy and data communication from rural areas and tier II and tier III cities and towns would positively influence the country's insulated wire and cable market.

Some of the major players operating in India insulated wire and cable market are Polycab Wires Pvt. Ltd., Havells India Ltd., Finolex Cables Limited, KEI Industries Ltd., RR Kabel Limited, Universal Cables Ltd., Uniflex Cables Limited, V – Guard Industries Ltd, Gupta Power Infrastructure Limited, KEC International Limited, etc.

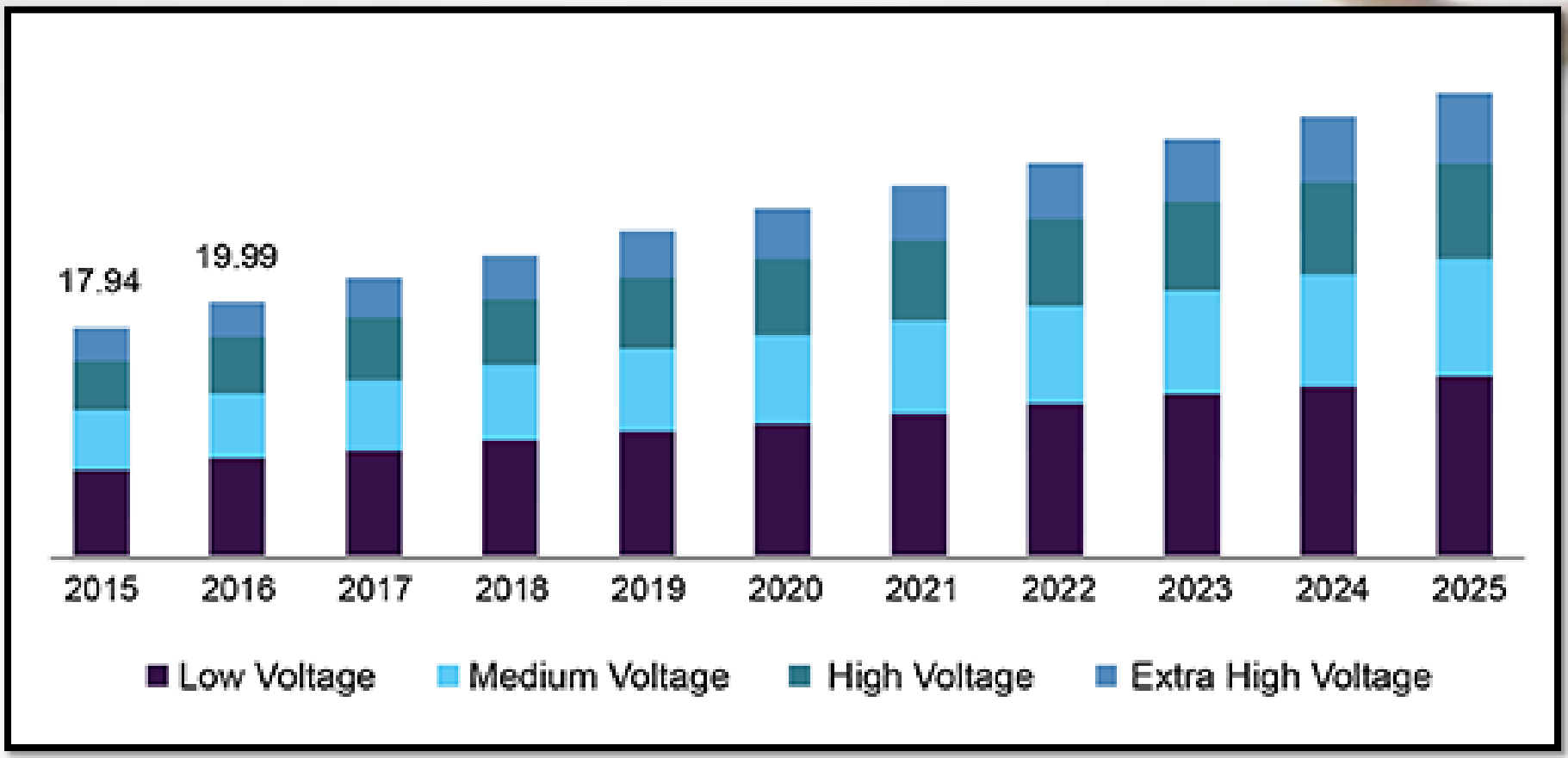
Wire and Cable Industry

The wires and cables market in India comprises nearly 40 per cent of the electrical industry and is growing at a CAGR of 15 per cent as a result of growth in the power and infrastructure segments. The wires and cables market in India is highly fragmented, with the presence a number of small and medium enterprises. The organized sector manufactures high voltage durable and specialty cables, whereas the unorganized sector mainly captures the low voltage market, where products are mainly differentiated on the basis of price.

Growth in wires and cables market can also be attributed to the introduction of latest technologies by manufacturers in India and swift expansion of automated and innovative cost reducing manufacturing technologies, which have significantly improved the throughput of wires and cables products.

The global wires and cables market size was estimated at USD 186.09 billion in 2017 and is estimated to witness a CAGR of 6.4% over the forecast period. Increasing reserves in smart grid technology, growing renewable energy production, and government initiatives for upgrading the transmission and distribution systems are expected to drive this market. Adoption of smart grid technology has fulfilled the rising need for grid interconnections, significantly resulting in increased investments in new submarine and underground cables. In addition, the market growth is attributed to the growing offshore wind farms and high voltage direct current links.

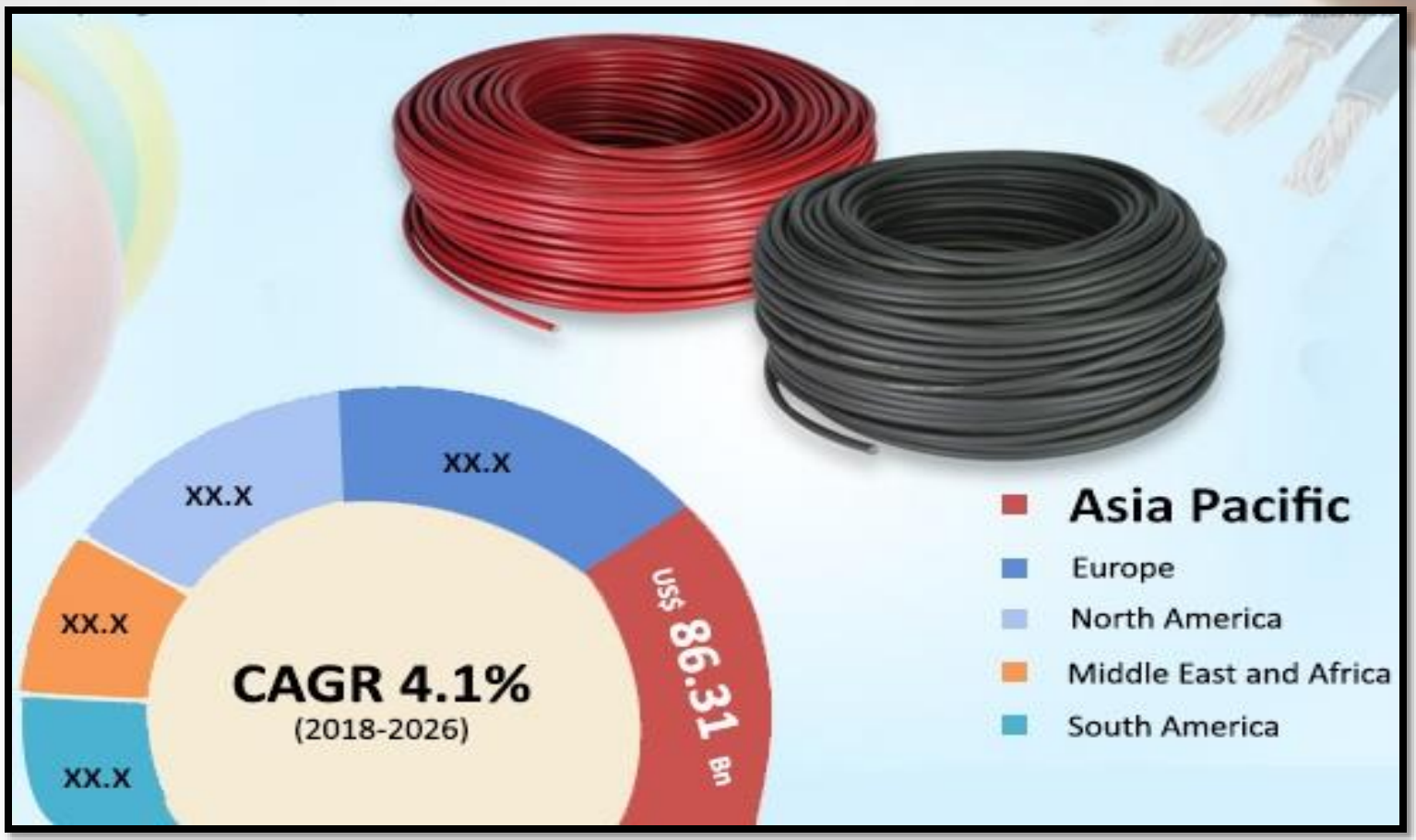
U.S. Wire and Cable Market Size, By Voltage, 2015-2025 (USD Billion)



The demand for wire and cables is directly reliant on the expansion of the industrial sector and infrastructure development in the power generation and transmission, telecommunication, and residential and commercial sectors. Rapid urbanization and rising global population have increased the demand in these areas, thereby offering multiple opportunities to the global wire and cable market.

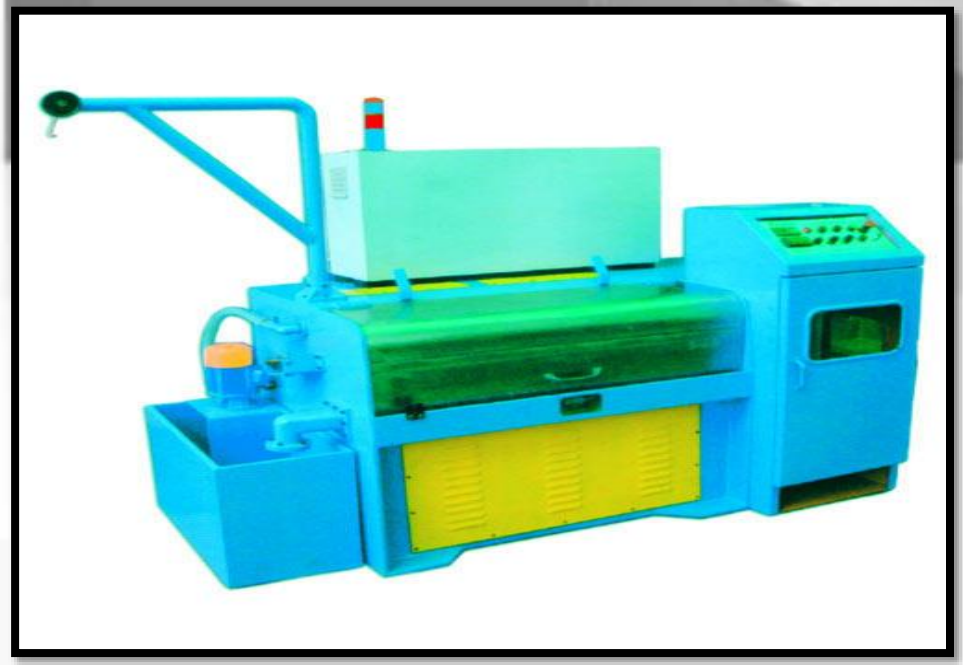
The global wire and cable market can be broadly segmented by based on type, material, and application. By In terms of type, the low voltage wire and cable segment is consistently expected to constitute a dominant market share between 2018 and 2026. Increasing urbanization, which is resulting in the expansion of power transmission & distribution networks and rise in residential & commercial buildings, is a major factor attributed to the segment's high share. Moreover, rising demand for low-voltage wires in electrical installations of automobiles is another factor accounting for its dominance throughout the forecast period.

Global Wire and Cable Market Revenue, By Region, 2017 (US$ Bn)



The market is expected to grow in the coming years with increasing number of innovative product launches by the existing players, focusing on niche uses and convenience such as fire resistant (retardant) wires and cables, optical fibre cables and others. With the consumers becoming more perceptive towards value addition, providing products by anticipating the consumer needs in advance and broadening the appeal of the product to suit a variety of needs could prove vital for the growth of this industry in the coming years.

Machinery Photographs



Wire Drawing Machine

Wire Twisting Machine

Bunching Machine

PVC Blender

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	365.00	365.00	Capital	0.00	238.93	238.93
Buildings	0.00	388.50	388.50	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	90.50	90.50	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	36.00	36.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	10.00	10.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	716.79	716.79
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	8.00	8.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	46.72	46.72				
TOTAL	0.00	955.72	955.72	TOTAL	0.00	955.72	955.72

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	`	`	`	`	`	%	`	%	`		%
1-2	6.35	8.82	16.35	24.00	0.00	100.00	6.35	0.00	6.35	1.00	0.00
2-3	8.90	11.09	25.25	18.00	0.00	100.00	8.90	0.00	8.90	1.00	0.00
3-4	11.43	13.38	36.67	12.00	0.00	100.00	11.43	0.00	11.43	1.00	0.00
4-5	13.90	15.64	50.58	6.00	0.00	100.00	13.90	0.00	13.90	1.00	0.00
5-6	16.32	17.86	66.89	0.00	0.00	100.00	16.32	0.00	16.32	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as-Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.30	1.30		1.47	1.47	2.18		15.31 %	10.16 %	6.59%	609.75	26.46%	1.87	0.93
2-3	1.59	1.44		0.71	0.71	1.24		16.38 %	12.38 %	7.91%	703.74	26.18%	2.00	1.20
3-4	1.94	1.59	1.93	0.33	0.33	0.74		17.11 %	13.99 %	8.89%	804.10	26.18%	2.02	1.53
4-5	2.34	1.76		0.12	0.12	0.46		17.61 %	15.17 %	9.61%	904.45	26.17%	1.97	1.90
5-6	2.84	1.93		0.00	0.00	0.29		17.95 %	16.05 %	10.15 %	1004.80	26.17%	1.87	3.03

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	34.86%
Total BEP (% of Installed Capacity)	38.54%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	24.81%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	5.602

Major Queries/Questions Answered in the Report?

1. What is House Wire Manufacturing industry ?

2. How has the House Wire Manufacturing industry performed so far and how will it perform in the coming years ?

3. What is the Project Feasibility of House Wire Manufacturing Plant ?

4. What are the requirements of Working Capital for setting up House Wire Manufacturing plant ?

5. What is the structure of the House Wire Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up House Wire Manufacturing Business?

7. What are the operating costs for setting up House Wire Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up House Wire Manufacturing plant ?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up House Wire Manufacturing plant ?

10. What are the requirements of raw material for setting up House Wire Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up House Wire Manufacturing Business?

12. What is the Manufacturing Process of House Wire?

13. What is the total size of land required for setting up House Wire Manufacturing plant ?

14. What will be the income and expenditures for House Wire Manufacturing Business?

15. What are the Projected Balance Sheets of House Wire Manufacturing plant ?

16. What are the requirement of utilities and overheads for setting up House Wire Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up House Wire Manufacturing Business?

18. What are the Personnel (Manpower) Requirements for setting up House Wire Manufacturing Business?

19. What are Statistics of Import & Export for House Wire?

20. What is the time required to break-even of House Wire Manufacturing Business?

21. What is the Break-Even Analysis of House Wire Manufacturing plant?

22. What are the Project financials of House Wire Manufacturing Business?

23. What are the Profitability Ratios of House Wire Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of House Wire Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of House Wire Manufacturing plant?

26. What is the Process Flow Sheet Diagram of House Wire Manufacturing project?

27. What are the Market Opportunities for setting up House Wire Manufacturing plant?

28. What is the Market Study and Assessment for setting up House Wire Manufacturing Business?

29. What is the Plant Layout for setting up House Wire Manufacturing Business?

Table of Contents of the Project Report

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1. PROJECT LOCATION
1.1. GAUTAM BUDH NAGAR: DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
1.1.1. General
1.1.2. Location & Geographical Area
1.1.3. Topography
1.1.4. Map
1.1.5. Administrative Setup
1.1.6. Industry at a Glance
1.1.7. Large Scale Industries/Public Sector Undertaking
1.1.8. Major Exportable Item

2. INTRODUCTION
2.1. FIRE RETARDANT CABLES
2.2. FIRE RESISTANT CABLES

3. ADVANTAGES OF ELECTRIC WIRES & CABLES

4. PRODUCTS DETAILS
4.1. FIRE RETARDANT CABLES
4.2. FIRE RETARDANT LOW SMOKE CABLES
4.3. FIRE RATED CABLES
4.4. LOW SMOKE ZERO HALOGEN CABLE
4.5. FLAME RETARDANT ZERO HALOGEN [FRZH]

5. B.I.S. SPECIFICATIONS
5.1. IS 10333~EPOXY RESIN SYSTEMS FOR CAST RESIN INSULATED POWER AND CONTROL CABLE JOINTS AND TERMINATIONS UP TO AND INCLUDING 11 KV

5.2. IS 10810: PART 1~METHODS OF TEST FOR CABLES: PART 1 ANNEALING TEST FOR WIRES USED IN CONDUCTORS
5.3. IS 694: POLYVINYL CHLORIDE INSULATED UNSHEATHED AND SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED VOLTAGES UPTO AND INCLUDING 450/750 V.
5.4. IS 8130~CONDUCTORS FOR INSULATED ELECTRIC CABLES AND FLEXIBLE CORDS

6. MARKET SURVEY
6.1. INDIAN ELECTRIC WIRES AND CABLE MARKET
6.2. MARKET STATUS
6.3. GROWTH SEGMENTS
6.4. GOVERNMENT INITIATIVE
6.5. POWER CABLES
6.6. MARKET STRUCTURE
6.7. LEAD PLAYERS

7. EXPORT & IMPORT: ALL COUNTRIES
7.1. EXPORT: ALL COUNTRIES
7.2. IMPORT: ALL COUNTRIES

8. FINANCIALS & COMPARISON OF MAJOR PLAYERS/COMPANIES
8.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
8.2. PROFITS & APPROPRIATIONS
8.3. TOTAL LIABILITIES
8.4. TOTAL ASSETS
8.5. NET CASH FLOW FROM OPERATING ACTIVITIES
8.6. SECTION – I

8.6.1. Name of Company with Contact Details
8.6.2. Name of Director(S)
8.6.3. Credit Ratings
8.6.4. Plant Capacity
8.6.5. Location of Plant
8.6.6. Name of Raw Material(S) Consumed With Quantity & Cost
8.7. SECTION – II
8.7.1. Assets
8.7.2. Cash Flow
8.7.3. Cost as % Ge of Sales
8.7.4. Forex Transactions
8.7.5. Growth in Assets & Liabilities
8.7.6. Growth in Income & Expenditure
8.7.7. Income & Expenditure
8.7.8. Liabilities
8.7.9. Liquidity Ratios
8.7.10. Profitability Ratio
8.7.11. Profits
8.7.12. Return Ratios
8.7.13. Structure of Assets & Liabilities (%)
8.7.14. Working Capital & Turnover Ratios

9. COMPANY PROFILE OF MAJOR PLAYERS

10. EXPORT & IMPORT STATISTICS OF INDIA
10.1. EXPORT STATISTICS FOR PVC WIRE & CABLES
10.2. IMPORT STATISTICS FOR PVC WIRE & CABLES

11. PRESENT MANUFACTURERS

12. PVC FORMULATION FOR FR CABLE

13. PROPERTIES OF PVC
13.1. FIRE RETARDING PROPERTIES
13.2. PVC DURABILITY CHART
13.3. FIRE RESISTANT PROPERTIES
13.4. MINERAL FLAME RETARDANTS
13.5. FIRE PERFORMANCE CLASS
13.6. PRIMARY FIRE STANDARD
13.7. IEC FIRE RESISTANCE TESTING

14. MANUFACTURING PROCESS
14.1. CONSTRUCTION DETAILS
14.2. COPPER CONDUCTOR CONSTRUCTION
14.3. PLAIN ANNEALED COPPER CONDUCTOR
14.4. WIRE & CABLE CONSTRUCTION

15. WIRE AND CABLE COATING TECHNIQUE
15.1. THE WIRE DISPENSING UNIT
15.2. GUIDING AND PRE-HEATING EQUIPMENT
15.3. DIES FOR WIRE COVERING
15.4. COOLING EQUIPMENT

16. PROCESS FLOW DIAGRAM

17. CABLE PARAMETERS CALCULATION

18. TESTING & INSPECTION EQUIPMENTS

18.1. TEST EQUIPMENT & MEASURING INSTRUMENTS

18.2. CONTROL AND TESTING EQUIPMENT

19. IMPORTANT TESTS

19.1. ENSURE CIRCUIT INTEGRITY TEST

19.2. SMOKE DENSITY TEST

19.3. SWEDISH CHIMNEY TEST

19.4. OXYGEN INDEX TEST

19.5. FAILURE MODES OF WIRE AND CABLES

20. BUYER'S LIST

20.1. CONTACT DETAILS OF BUYER'S

20.2. NAME OF DIRECTOR(S)

20.3. PLANT CAPACITY

20.4. LOCATION OF PLANT

20.5. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

21. SUPPLIERS OF PLANT & MACHINERY

22. SUPPLIERS OF RAW MATERIAL

23. PHOTOGRAPH/IMAGES FOR REFERENCE

23.1. PRODUCT PHOTOGRAPHS

23.2. MACHINERY PHOTOGRAPHS

23.3. RAW MATERIAL PHOTOGRAPHS

24. PLANT LAYOUT

Project Financials

- **Project at a Glance** **Annexure**

- Assumptions for Profitability workings 1
- 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 Wages ……..……..9
- Turnover Per Annum ……...…10
- 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

Tags

#House_Wire, #House_Wiring_Cables, #Wire_Manufacturing_Process, #Wire_Manufacturing_Plant_Cost, Wire Manufacture, Wire Making Business, Wires and Cables, Manufacture of Wire, Wire Manufacturing, #Electrical_House_Wires_Manufacture, Domestic and Commercial Wire, #Housing_Wire, House Wire Manufacturing Business, Electrical Wires, House Wire Manufacture, #House_Wire_Production, Household Wire, How to Build a Wire/Cable Manufacturing Factory, Wires & Cables Manufacture in India, House Wire Manufacture in India, #Electric_Wire_and_Cable Manufacturing Plant, Wire & Cable Manufacturing Industry, #PVC_House_Wire, PVC Insulated House Wire, PVC Insulated Wire, House Wires (PVC Insulated), PVC Insulated Wire Manufacture, #Project_Report_on_House_Wire_Manufacturing_Industry, Detailed Project Report on PVC Insulated Wire Manufacture, Project Report on House Wire Manufacturing, Pre-Investment Feasibility Study on House Wire Production, Techno-Economic feasibility study on House Wire Manufacturing, Feasibility report on PVC Insulated Wire Manufacture, Free Project Profile on House Wire Production, Project profile on House Wire Manufacturing, Download free project profile on House Wire Production, PVC House Electrical Wires, Electrical House Wiring, PVC Wire and Cable Manufacturing Industry, Electrical Cables, Electric Wire for House. Production of PVC Insulated House Wire, PVC Wires and Cables, PVC Insulated Copper Cable, Electrical Wires, Cables and Wires, Wire & Cable Manufacture, Electrical Wires & Cables, Housing Wire, Electrical House Wiring, PVC Insulated Cables, Insulated Wire and Cable

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