

# Start a Profitable Business of LV Control & Power Cables, MV Cables.

Profitable Project  
Investment Opportunity in  
Cable Industry

# Introduction

**Low Voltage (LV)** power cable forms an essential component for secondary distribution of power at voltage less than 1 kV. Different types of low voltage accessories include fittings and fixtures, cable joints, cable terminations, among others which are used for cable installations in overhead and underground installations.



**Low voltage cables are used to supply power at low voltage. These cables form essential parts of the electrical and electronic systems in a broad range of applications. The cables have prime importance in the power sector, and thus, are important components in the generation, transmission, and distribution of electricity by power utilities.**

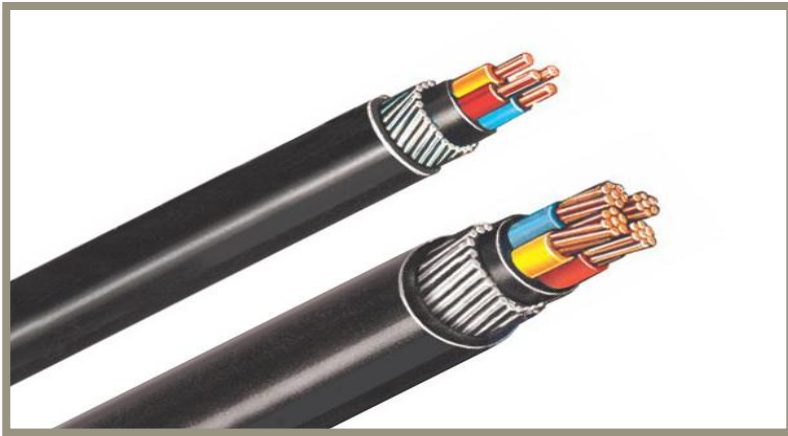
**Low voltage cables are built up with solid and standard, rigid, copper and aluminum conductors, flexible copper conductors. Low voltage cable is an important component for secondary distribution of electricity. Low voltage accessories are utilized to maintain cables in the distribution network.**



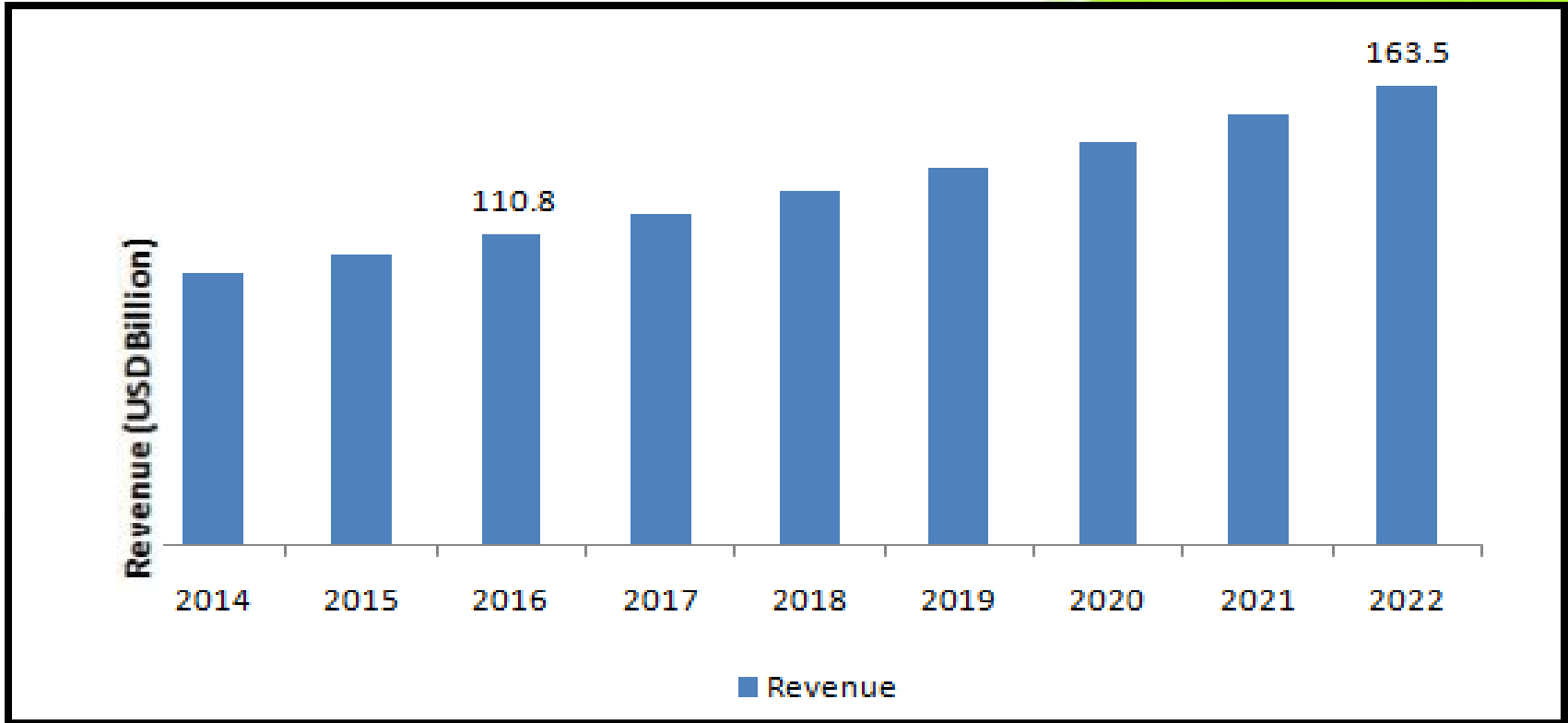
**Low voltage cables are used in the wiring of electrical installations in vehicles. The battery cable, a low voltage connection solution used in automobiles and agriculture and construction equipment, is also gaining popularity due to its ability to reduce electrical noise and withstand high temperatures during high voltage and low voltage applications. The growing automotive industry offers a significant market potential to low voltage cable manufacturers.**

**Increasing production of renewable power along with growth in industrialization are the key factors that drive the growth of this market. Furthermore, government incentives to expand or upgrade the transmission & distribution (T&D) system is another factor boosting the growth of the market.**

**Lack of funding make the market volatile along with significant delay in authorization of different T&D projects due to complexity in planning are key restraining factors that hinders the growth of the market. Increasing demand in power along with various wind power policies in different countries are the factors that would offer abundant growth opportunities to the market. Volatility in prices of raw material along with low-quality & cheap products in grey market are major challenges faced by key market players.**



# Global Low Voltage Cable Market, 2014-2022 (USD Billion)



**A rising demand for electricity has fueled development in the power generation, transmission and distribution (T&D) sectors. The demand for equipment, such as low-voltage cable, is increasing with the growth in generation and T&D infrastructure.**

**A low-voltage cable derives its demand from the deployment of distribution transformers in distribution networks. These transformers are mainly used in the utility sector, followed by the industrial and commercial sectors. In 2015, the utility sector accounted for almost 80 percent of market revenue. This trend is likely to drive the growth of the market over the forecast period. Growing penetration of renewable-energy sources in the power-generation sector will drive future demand for low-voltage cables.**

**The use of low voltage cables in smart grids is expected to fuel the demand further over the next four years. Low voltage cables are deployed in the T&D networks of smart grids. Moreover, the addition of novel appliances such as heat pumps, electric vehicles charging stations, and solar panels to the distribution networks further necessitates the use of low voltage cables in their interconnection. Rising investment in smart grids in APAC, EMEA, and the GCC countries owing to increased demand for electricity in these regions is expected to be a significant factor in the market's growth during the forecast period.**





**Major driving factors for the growth of low voltage cable market are Increasing demand of renewable power and expansion in urbanization and industrialization. The global low voltage cable market offers new growth opportunities, due to rising demand for power and increasing automotive industry growth in Asia Pacific region with high potential. The price of raw material is unpredictable and growing neutral market providing cheap products and low quality is expected to promote the use of low voltage cables. The smart grid is expected to fuel the demand further over the forecast years of low voltage cable market.**



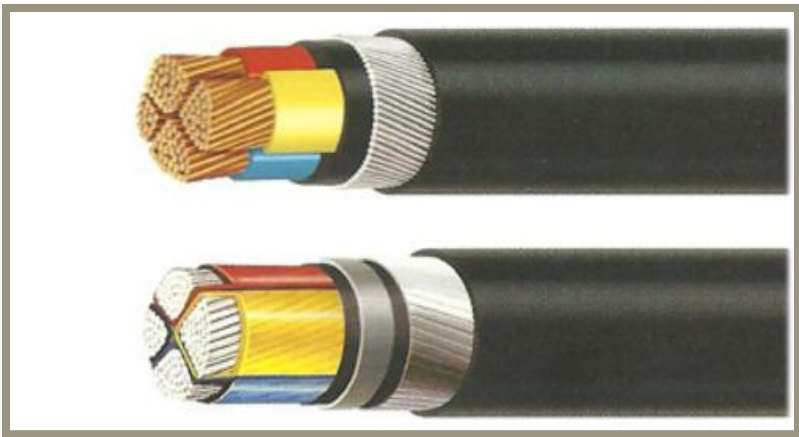
**Low voltage cable is an important component for secondary distribution of electricity. To satisfy the growing demand for electricity transmission and distribution, the network is expanding globally. Low voltage accessories are utilized to maintain cables in the distribution network. Accessories and power cables are important components for transmission and distribution system and will also grow with the growth in transmission and distribution system. Low voltage cables are utilized for electrical equipment with a voltage rating for alternating current between 50 to 1000v and for direct current between 75 to 1500v, thus they are not subjected to high electric stress. Low voltage cables are built up with solid and standard, rigid, copper and aluminum conductors, flexible copper conductors.**

**Medium Voltage Cables, or MV cables, is a category defined by the International Electrotechnical Commission (IEC) as having a voltage rating of above 1kV up to 100kV. There does, however, remain some ambiguity over where the medium voltage cable band begins and ends, depending on the countries, the standard setting bodies, and the type of system used as historically engineers only referred to low voltage and high voltage. The concept of medium voltage was only introduced as the level of voltages increased and the need arose for a greater classification range, which now often includes extra low and extra high voltage.**



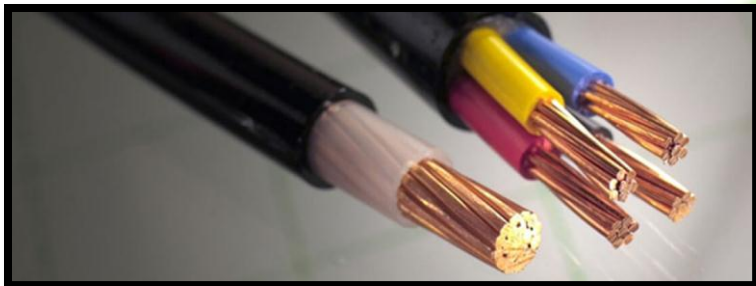
**Medium voltage cable is suitable for use in wet or dry locations when installed in accordance with NEC. It is for use in aerial, direct burial, conduit, open tray, and underground duct installations.**

**Medium-voltage cables are commonly used in mobile substation equipment, for distribution of power in industrial settings and in mining to supply power to drills, shovels, haulers, etc. These cables often come in standard voltages, including 5,000; 8,000; 15,000; 25,000; and 35,000 V.**



**The medium voltage cables and accessories market is expected to grow from an estimated US\$ 41.45 Billion in 2017 to US\$ 56.18 Billion by 2022, at a CAGR of 6.27%, from 2017 to 2022. Increase in renewable energy generation and rapid industrialization and urbanization is expected to drive the market for medium voltage cables and accessories.**

**The underground medium voltage cables and accessories segment of the installation market is expected to hold the largest share during the forecast period.**



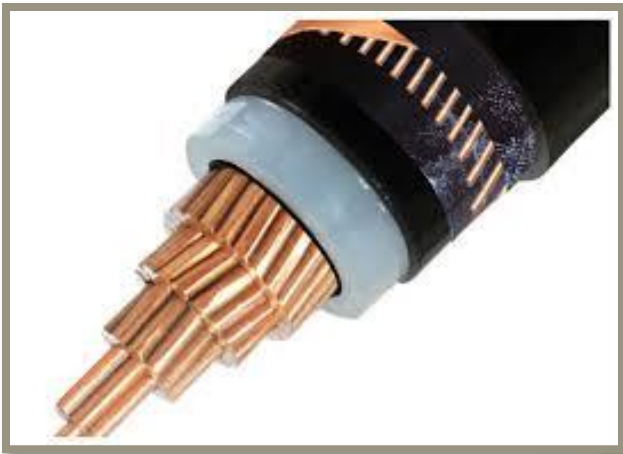
**On the basis of installation, the medium voltage cables and accessories market has been segmented into underground, overhead, and renewables. The underground sector accounted for the largest market share. Several benefits of using underground cables are lower transmission loss and maintenance costs, they release no electric fields, and can easily absorb power loads; these factors are expected to drive the medium voltage cables and accessories market. Thus, the underground segment of the medium voltage cables and accessories market is expected to grow at the highest CAGR during the forecast period.**

**From the cable installation type, the medium voltage cable is divided into aerial cable, underground cable and submarine cable. Among them, underground cable is expected to become the fastest composite growth rate of products.**

**From the voltage level, the 6-13 kv medium voltage cable will dominate the global medium voltage cable market demand. It is expected that by 2022, the global 6-13 KV medium-voltage cable and accessories market will reach 14.25 billion U.S. dollars, the period of annual composite increase rate reached 6.47%.**

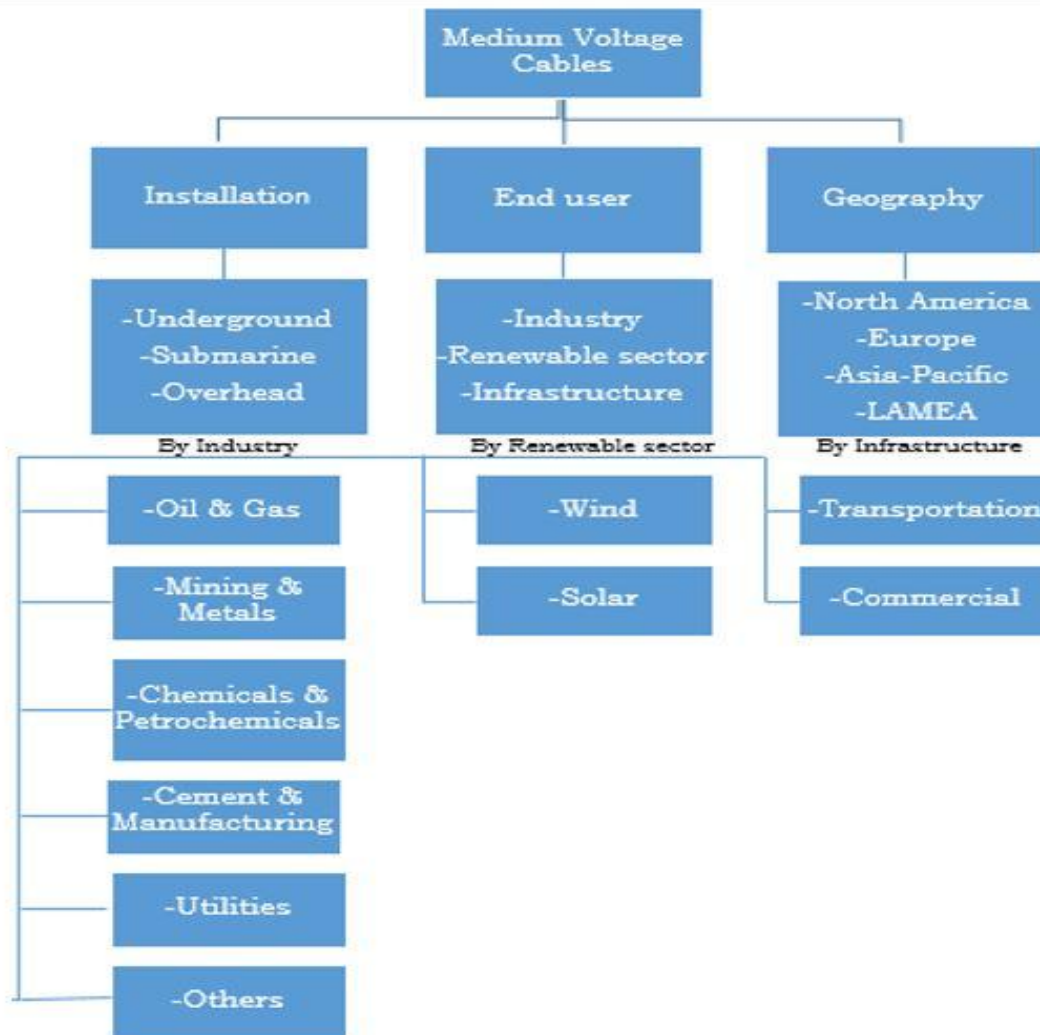
**Some of the driving factors like hasty growth in industrialization & urbanization, high production of renewable energy and rising government policies to expand the T&D systems are contributing for the market growth. However, less financial support and delay in intricate planning & authorization of projects are limiting the market. On the other hand, growing demand for power and wind policies in emerging countries is providing a significant opportunity for the market.**

**In developed economies, such as Europe, requirement of increasing power generation and expanding wind sector offers significant growth potential. However, fluctuating prices of metals, such as copper, aluminum, and other metals, restrain the market growth. The demand for power infrastructure is driven by growing investments in renewables' sector, thus offering significant opportunities for growth.**





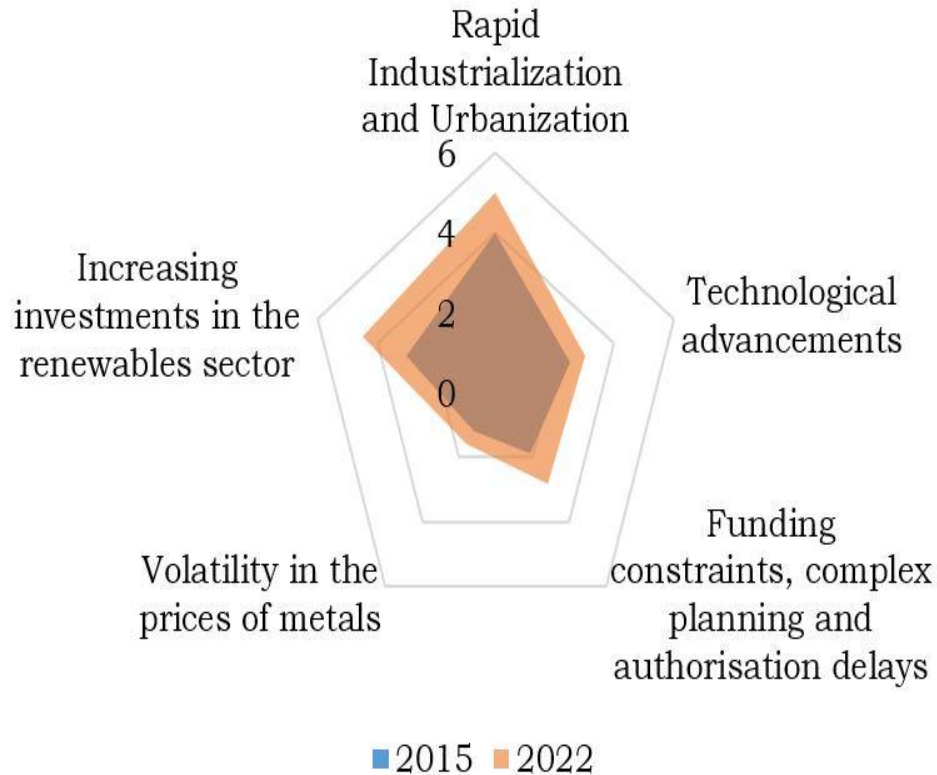
# Global Medium Voltage Cables Market Segmentation



**Rapid industrialization and urbanization has been the key driving factor sustaining the growth of the medium voltage cables market. Industrialization and urbanization has been increasing at a much faster pace in the developing economies, resulting in more requirement for power generation, transmission, and distribution and thus is expected to boost the requirement of medium voltage cables.**



# Top Factors Impacting World Medium Voltage Cables Market



# Machinery Photographs



**ROD BREAK DOWN**



**FINE WIRE DRAWING MACHINES**



**MEDIUM WIRE DRAWING MACHINE**



**ONE LINE ANNEALING MACHINE**

# Project at a Glance

PROJECT AT A GLANCE								( in lacs)
COST OF PROJECT				MEANS OF FINANCE				
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total	
Land & Site Development Exp.	0.00	320.15	320.15	Capital	0.00	286.98	286.98	
Buildings	0.00	314.00	314.00	Share Premium	0.00	0.00	0.00	
Plant & Machineries	0.00	162.58	162.58	Other Type Share	0.00	0.00	0.00	
Motor Vehicles	0.00	10.00	10.00	Capital	0.00	0.00	0.00	
Office Automation Equipments	0.00	33.00	33.00	Reserves & Surplus	0.00	0.00	0.00	
Technical Knowhow Fees & Exp.	0.00	20.00	20.00	Cash Subsidy	0.00	0.00	0.00	
Franchise & Other Deposits	0.00	0.00	0.00	Internal Cash Accruals	0.00	0.00	0.00	
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Long/Medium Term Borrowings	0.00	860.93	860.93	
Provision for Contingencies	0.00	16.00	16.00	Unsecured Debentures / Bonds	0.00	0.00	0.00	
Margin Money - Working Capital	0.00	269.18	269.18	Loans/Deposits	0.00	0.00	0.00	
<b>TOTAL</b>	<b>0.00</b>	<b>1147.91</b>	<b>1147.91</b>	<b>TOTAL</b>	<b>0.00</b>	<b>1147.91</b>	<b>1147.91</b>	



# 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	6.96	9.19	16.96	24.00	0.00	100.00	6.96	0.00	6.96	1.00	0.00
2-3	9.63	11.60	26.59	18.00	0.00	100.00	9.63	0.00	9.63	1.00	0.00
3-4	12.39	14.13	38.97	12.00	0.00	100.00	12.39	0.00	12.39	1.00	0.00
4-5	15.07	16.61	54.04	6.00	0.00	100.00	15.07	0.00	15.07	1.00	0.00
5-6	17.64	19.00	71.68	0.00	0.00	100.00	17.64	0.00	17.64	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / Equity - 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	1.34	1.34		1.42	1.42	5.58	3.98%	2.12%	1.39%	1029.75	7.16%	4.52	1.09	
2-3	1.65	1.49		0.68	0.68	3.74	4.24%	2.57%	1.65%	1200.83	7.16%	4.66	1.14	
3-4	2.03	1.66	2.03	0.31	0.31	2.70	4.42%	2.91%	1.85%	1372.36	7.16%	4.65	1.20	
4-5	2.48	1.83		0.11	0.11	2.05	4.53%	3.16%	2.00%	1543.90	7.16%	4.57	1.28	
5-6	3.02	2.03		0.00	0.00	1.62	4.60%	3.34%	2.11%	1715.43	7.16%	4.45	1.43	



# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	51.06%
Total BEP (% of Installed Capacity)	53.34%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	29.22%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	37.843

# Major Queries/Questions Answered in the Report?

- 1. What is LV Control & Power Cables, MV Cables Manufacturing industry ?**
- 2. How has the LV Control & Power Cables, MV Cables Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of LV Control & Power Cables, MV Cables Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**

- 5. What is the structure of the LV Control & Power Cables, MV Cables Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**
- 7. What are the operating costs for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**
- 12. What is the Manufacturing Process of LV Control & Power Cables, MV Cables?**



- 13. What is the total size of land required for setting up LV Control & Power Cables, MV Cables Manufacturing plant ?**
- 14. What will be the income and expenditures for LV Control & Power Cables, MV Cables Manufacturing Business?**
- 15. What are the Projected Balance Sheets of LV Control & Power Cables, MV Cables Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up LV Control & Power Cables, MV Cables Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**

**18. What are the Personnel (Manpower) Requirements for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**

**19. What are Statistics of Import & Export for LV Control & Power Cables, MV Cables?**

**20. What is the time required to break-even of LV Control & Power Cables, MV Cables Manufacturing Business?**

**21. What is the Break-Even Analysis of LV Control & Power Cables, MV Cables Manufacturing plant?**

**22. What are the Project financials of LV Control & Power Cables, MV Cables Manufacturing Business?**



- 23. What are the Profitability Ratios of LV Control & Power Cables, MV Cables Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of LV Control & Power Cables, MV Cables Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of LV Control & Power Cables, MV Cables Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of LV Control & Power Cables, MV Cables Manufacturing project?**

**27. What are the Market Opportunities for setting up LV Control & Power Cables, MV Cables Manufacturing plant?**

**28. What is the Market Study and Assessment for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**

**29. What is the Plant Layout for setting up LV Control & Power Cables, MV Cables Manufacturing Business?**



# Table of Contents of the Project Report

## **1. PROJECT LOCATION**

- 1.1. VELLORE: DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
  - 1.1.1. General
  - 1.1.2. History
  - 1.1.3. Geography and Climate
  - 1.1.4. Demographics
  - 1.1.5. Language
  - 1.1.6. Transportation
  - 1.1.7. Industries
  - 1.1.8. Educational and Healthcare
  - 1.1.9. Map

## **2. INTRODUCTION**

- 2.1. MEDIUM VOLTAGE POWER CABLES
- 3. CHARACTERISTICS OF XLPE

## **4. APPLICATIONS**

## **5. B.I.S. SPECIFICATIONS**

- 5.1. IS 5831 (1984): PVC INSULATION AND SHEATH OF ELECTRIC CABLES
- 5.2. IS 4289-2 (2000): FLEXIBLE CABLES FOR LIFTS AND OTHER FLEXIBLE CONNECTIONS, PART 2: PVC INSULATED CIRCULAR CABLES
- 5.3. IS 1255 (1983): CODE OF PRACTICE FOR INSTALLATION AND MAINTENANCE OF POWER CABLES UP TO AND INCLUDING 33 KV RATING
- 5.4. IS 7098-2 (2011): CROSSLINKED POLYETHYLENE INSULATED THERMOPLASTICS SHEATHED CABLES, PART 2: FOR WORKING VOLTAGES FROM 3.3 KV UP TO AND INCLUDING 33 KV
- 5.5. IS 10418 (1982): DRUMS FOR ELECTRIC CABLES

## **6. CONSTRUCTION OF CABLES**

### **7. LV POWER CABLES**

7.1. CABLE CONSTRUCTION

### **8. LV CONTROL CABLES**

8.1. CABLE CONSTRUCTION

### **9. MARKET SURVEY**

9.1. OVERVIEW OF THE ELECTRIC WIRE AND CABLE MARKET IN INDIA

9.2. ELECTRIC WIRE AND CABLE MARKET IN INDIA 2016-2020

9.3. MARKET FACTS FOR WIRE INDIA 2018

9.4. INDIAN MARKET TRENDS OF INDUSTRY CABLE AND WIRE

### **10. EXPORT & IMPORT: ALL COUNTRIES**

10.1. EXPORT: ALL COUNTRIES

10.2. IMPORT: ALL COUNTRIES

### **11. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES**

11.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE

11.2. PROFITS & APPROPRIATIONS

11.3. TOTAL LIABILITIES

11.4. TOTAL ASSETS

11.5. NET CASH FLOW FROM OPERATING ACTIVITIES

11.6. SECTION – I

11.6.1. Name of Company with Contact Details

11.6.2. Name of Director(S)

11.6.3. Plant Capacity

- 11.6.4. Location of Plant
- 11.6.5. Name of Raw Material(S) Consumed with Quantity & Cost
- 11.7. SECTION – II
- 11.7.1. Assets
- 11.7.2. Cash Flow
- 11.7.3. Cost as % Ge of Sales
- 11.7.4. Forex Transaction
- 11.7.5. Growth in Assets & Liabilities
- 11.7.6. Growth in Income & Expenditure
- 11.7.7. Income & Expenditure
- 11.7.8. Liabilities
- 11.7.9. Liquidity Ratios
- 11.7.10. Profitability Ratio
- 11.7.11. Profits
- 11.7.12. Return Ratios
- 11.7.13. Structure of Assets & Liabilities (%)
- 11.7.14. Working Capital & Turnover Ratios

## **12. EXPORT & IMPORT STATISTICS DATA OF INDIA**

- 12.1. EXPORT STATISTICS DATA ON LV POWER & CONTROL CABLE
- 12.2. IMPORT STATISTICS DATA ON LV POWER & CONTROL CABLE
- 12.3. EXPORT STATISTICS DATA ON MV CABLE
- 12.4. IMPORT STATISTICS DATA ON MV CABLE

## **13. PRESENT MANUFACTURERS**

## **14. RAW MATERIAL DETAILS**



## **15. MANUFACTURING PROCESS**

## **16. PROCESS FLOW DIAGRAM**

### **17. PLANT AND MACHINERY DETAILS**

- 17.1. COPPER DRAWING PLANT
- 17.2. CABLE PROCESS PLANT
- 17.3. MATERIAL HANDLING & UTILITIES

### **18. BUYER'S LIST**

- 18.1. CONTACT DETAILS OF BUYER'S
- 18.2. NAME OF DIRECTOR(S)
- 18.3. PLANT CAPACITY
- 18.4. LOCATION OF PLANT
- 18.5. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

## **19. SUPPLIERS OF PLANT & MACHINERY**

## **20. SUPPLIERS OF RAW MATERIAL**

### **21. PHOTOGRAPHS/IMAGES FOR REFERENCE**

- 21.1. MACHINERY PHOTOGRAPHS
- 21.2. RAW MATERIAL PHOTOGRAPHS
- 21.3. PRODUCT PHOTOGRAPHS

### **22. PLANT LAYOUT**



# *Project Financials*

<b>Project at a Glance</b>	<b>Annexure</b>
• 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**

# 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 LV Control & Power Cables, MV Cables.” provides an insight into LV Control & Power Cables, MV Cables market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of LV Control & Power Cables, MV Cables project. The report assesses the market sizing and growth of the Indian LV Control & Power Cables, MV Cables 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 LV Control & Power Cables, MV Cables sector in India along with its business prospects. Through this report we have identified LV Control & Power Cables, MV Cables project as a lucrative investment avenue.**

# Tags

LV & Control Cables, LV and MV Cables, Low Voltage Cable Production, Profile on Production of Electric Wires and LV Cables, Low Voltage Cable, Manufacturing of Low Voltage Cable, Low Voltage & Control Cables, Cable Manufacturing, Wire and Cable, Cable Manufacturing Process, Electric Cable Manufacturing in India, Business Ideas in Wire & Cable Manufacturing, Cable Manufacturing Company, Power Cable, Wires & Cables, Electrical Cables, Power Cable Manufacture, MV Cables Production, Medium Voltage (MV) Cables, Medium-Voltage Cables, Electrical Wire Manufacturing Process Pdf, Manufacturing of Medium Voltage Power Cables, Cable Manufacture, Cable Manufacturing Company, Project Report on Low Voltage Cable Production Industry, Detailed Project Report on Low Voltage Cable Production, Project Report on MV Cables Production, Pre-Investment Feasibility Study on Low Voltage Cable Production, Techno-Economic feasibility study on MV Cables Production, Feasibility report on Low Voltage Cable Production, Free Project Profile on MV Cables Production, Project profile on MV Cables Production, Download free project profile on Low Voltage Cable Production

**Niir Project Consultancy Services (NPCS)  
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**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**
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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.**

**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 India along with its business prospects.....[Read more](#)**



# Contact us

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# **Niir PROJECT CONSULTANCY SERVICES**

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# 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*



*We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.*



*We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.*



## What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *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**



# Contact us

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