

Entrepreneur India

106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, 23845654, 23845886, +918800733955,

Mobile: +91-9811043595.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Website: www.entrepreneurIndia.co

Low Tension Cables, LT Power Cables Manufacturing Industry

Capacity:	0
Plant and machinery cost:	0.00 Lakh
Working Capital:	0.00 Lakh
Rate of return(ROR):	0.00 %
Break Even Point (BEP):	0.00 %
TCI:	0.00 Lakh
Cost of Project:	0.00 Lakh

Low Tension Cables, LT Power Cables Manufacturing Industry. Industrial LT Cables Production Business

LT Cables or Low Tension PVC Cables are defined as per IS 1554 Part I having voltage grade up to 3.3kv. LT Cables designed to be used underground directly, buried in ducts, trenches or in tunnels for electric power transmission, are used in many applications including:

- Infrastructure
- Industries
- Power Generation
- Automation
- Lighting
- Sound and security
- Video surveillance
- Fire alarm

Some LT cables with Special Fire Properties are used in Oil, Gas and Petroleum Sector and in application areas where fire safety is of critical importance.

Low tension cables are used for transmitting the voltages below than 1 KV. Because the cable is not prone to any special electrostatic stress its construction is kept normal. Even the insulation is very simple in which a paper is impregnated using oil. Its viscosity increases by applying the resin and it also avoids damage. Over the outer sheath layer, there is another layer which keeps the cable protected from moisture and any environmental damage.

There are two more types of low tension cable which are as follows.

· Single-Core Cable

A stranded circular core which is insulated with lead sheath. The lead sheath prevents any moisture penetration in the cable. Above the lead sheath, there is another layer which prevents the metal from corrosion. In these cables, no armoring is done during its manufacturing because the armor becomes a reason of excessive loss.

· Multicore Cable

A three core cable insulated with each other. The strands of the conductor are either circular shaped, oval or section-wise these are insulated using impregnated paper. Similar to the single core cable, the insulation is provided on each belt of the core. This outer covering prevents the penetration of moisture in the cable. A coating of lime water is also provided on the outer layer to avoid the cable to act adhesive.

The major demand for electric wire and cable in India is likely to come from the railway and construction sectors due to rising government investment. The Government of India has allocated a budget of approximately 18 billion for the development of Indian Railways during 2016-2017 and the government also plans to develop 100 smart cities during the forecast period.

Power cables, a critical segment of the power sector, are experiencing an escalating demand owing to the growth in power generation infrastructure. India is one of the biggest consumers of electric energy after the US and China. With rapid industrial development and urbanization in the country. However, the overall generation capacity is unable to cater to the existing demand. Moreover, the T&D infrastructure is quite old and needs extensive renovation. Rural electrification is another major factor, which is expected to propel the growth of the electric wire and cable market in India. GOI's goal to provide electricity to every home by 2020 should attract major investments in the sector.

Wires and cables play an indispensable role in today's digitally advanced life and find extensive usage across a number of applications in several industries. The extensive usage and applications of wires and cables across various industries will put the wires and cables industry on the right path for the future.

In India, the size of the cable manufacturing industry is approx Rs. 40,000 crores. The specialised cable industry in which CMI operates currently, is roughly of the size of Rs. 10,000 crores. The government has announced ambitious plans for infrastructure development. One of the primary focus area of the development plan is railways, with over Rs. 800,000 Cr as promised investment over the period of 2015-2020. In addition, the government has earmarked Rs 50,000 crore (US\$ 7.53 billion) to develop 100 smart cities across the country.

Wires and cables market in the world and in India is highly fragmented, with the presence a number of small and medium enterprises. The organized sector manufactures high voltage durable cables, whereas the unorganized sector mainly captures the low voltage market, where products are mainly separated on the basis of the price. The intensifying competition in the industry is expected has put increasing pressures on all of players to maintain their market shares. Additionally, the low level of exports has also hampered the growth of this industry in India. However, the real estate's boom in the country, promulgated by an incensement in the number of houses being bought and sold contributed positively towards the revenue generation by the cable market. Additionally, the demand for electricity is expected to be rise in future with increasing number of households, together with the sales of transmission and distribution equipment's lead to positive inclination in demand for wires and cables & thus revenue generated by the industry. The wires and cables market is presently at its growing stage in our country and is expected to be capturing a significant share in the electrical equipment industry in the upcoming years.

Global Cable & Wire market escalates to become 297.4 billion by 2019, with the demand for telecom cable taking the lead with 8.5% 5 Year Compound Annual Growth Rate (CAGR), followed by Power Cable with 7.5% CAGR.

The growing trend in the building construction and automobile sector is expected to keep demand of copper high. Understanding the copper technology involved in copper production, exploration, mining, and the uses of copper, as well as the global industry structure would impact the copper mining on the environment, the various markets of copper, etc. The industry is affected by the price trends of copper, market performance, import/export scenario, the physical market trends, demand for copper, and of course, a market forecast. The Indian government has made an ambitious plan.

Each segment in the wires and cables industry such as power cables, control cables, communication cables and others is subject to a gamut of different factors such as price cuts and number of units sold that play an important role in determining their respective revenues.

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. However, out of all types, the optical fiber cable segment is expected to expand at a significant CAGR of 6.1% owing to its increasing applications for telecommunication systems, television transmission, and data networks. By Based on material, the copper segment held a prominent share of the market in 2017 and is further expected to lead the wire and cable market during the forecast period. Superior electrical conductivity together with high ductile and tensile strength makes copper a versatile material for wires and cables.

Tags

Low Tension Cables, LT Power Cables, LT Cable, Manufacturing of Cables, Cables Manufacturing Process, Wire and Cable, Cable Manufacturing, Profitable Business Ideas in Wire & Cable Manufacturing industry, Low Tension Cables Manufacture, Electrical Cables, Low Tension Cable Production, Low Tension

Power and Control Cables, Low Tension Power Cable, Manufacturing of Low Tension Cables, Electrical Cable Manufacture, LT Cable Manufacturing Business, LT Cable Production, Power Cable Manufacture, Cable Manufacturing Company, Cables Industry, Low Tension (LT) Cables, LT Control Cables, Wire & Cable Manufacturing Projects, Power Cable, How to Start LT Cable Production, Industrial Cable & Wire Manufacture, Project Report on LT Cable Manufacturing Industry, Detailed Project Report on LT Cable Production, Project Report on LT Cable Production, Pre-Investment Feasibility Study on LT Cable Production, Techno-Economic feasibility study on LT Cable Production, Feasibility report on LT Cable Production, Free Project Profile on LT Cable Production, Project profile on LT Cable Production, Download free project profile on LT Cable Production

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directory, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureau, consultants and consultancy firms as one of the input in their research.

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, 23845654, 23845886, +918800733955

Mobile: +91-9811043595

Email: npcs.ei@gmail.com ,info@entrepreneurindia.co

Website: www.entrepreneurIndia.co