

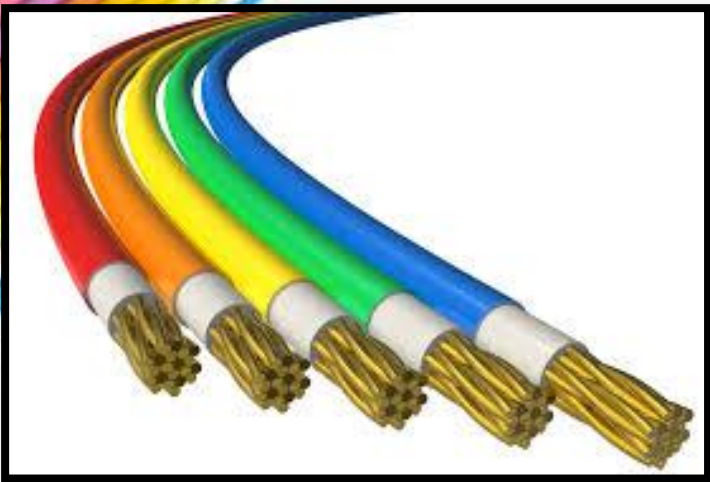
# **List of Profitable Business Ideas in Wire & Cable Manufacturing Industry.**

*Production of PVC Electric Wires & Cables, Copper, Aluminium Wire & Cables, Power Cable, Fiber Optical Cables, PVC & XLPE Cables, HT & LT Power cables, Control Cables, PVC Insulated Cable, MV Cables, Building Wires, Automotive Cables, UPS Cables, Winding PVC Cables, Jelly Filled Telephone Cables (JFTCs), Co-axial Cables, LAN Cables, Wire Drawing and Stitching Wire.*



## ***Introduction***

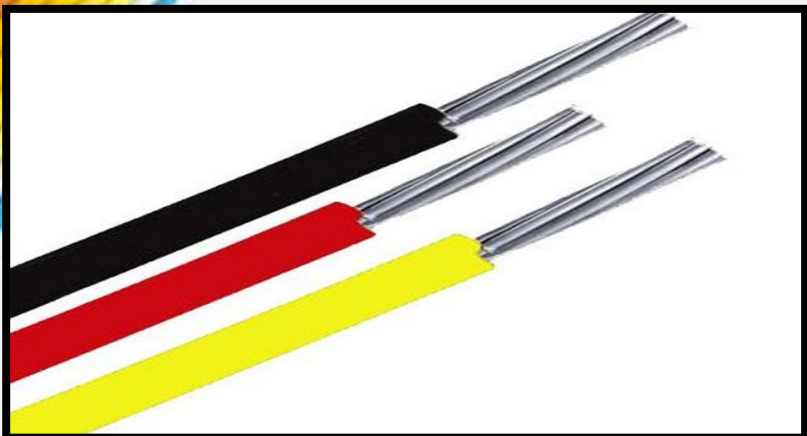
***Wires and cables play an indispensable role in today's digitally advanced life and find extensive usage across a number of applications in several industries. The extensive usage and applications of wires and cables across various industries will put the wires and cables industry on the right path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







*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 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.*





*The wires and cables in the India has witnessed a growth in recent years on account of rising demand wires and cables fueled by expansion in infrastructure development, electricity consumption and others. The surge in revenue is majorly originated from growth in power cables as a segment of wires and cables market. The upsurge in this segment has been largely led by the domestic factors such government expenditure on infrastructure, increase in level of investment, rising level of disposable income, technological advancement.*







*Electric power can be transmitted or distributed either by overhead system or by underground cable. Cables are mainly designed as per requirement. Power cables are mainly used for power transmission and distribution purpose. It is an assembly of one or more individually insulated electrical conductors, usually held together with an overall sheath. The assembly is used for transmission and distribution of electrical power.*

*Electrical power cables may be installed as permanent wiring within buildings, buried in the ground and run overhead or exposed. Flexible power cables are used for portable devices, mobile tools and machinery. These are designed and manufactured as per voltage, current to be carried, operating maximum temperature and purpose of applications desired by customer.*



***Low voltage copper conductor PVC cables are extensively used for domestic home appliances wiring, house wiring and internal wiring for lighting circuits in factories, power supply for office automation, in control, instrumentation, submarine, mining, ship wiring applications etc. due to its high tensile strength, superior conductivity, better flexibility and ease of jointing.***



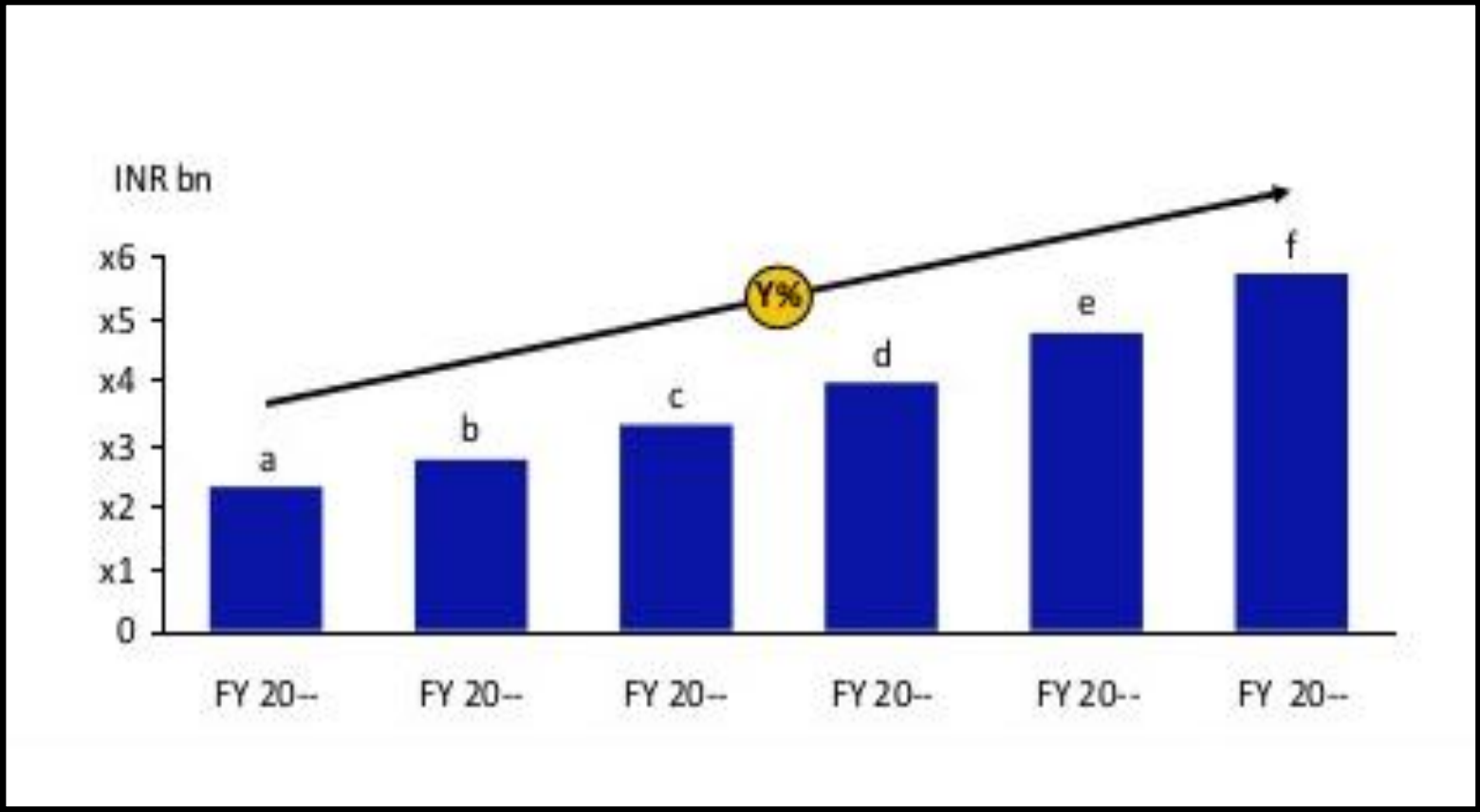




*Cable and wire industry has established itself as one of the backbones of modern information age. The increasing importance for power, light and communication has kept demand high for wire and cable. This trend will continue as demand for reliable, efficient energy and data communications will strengthen the wire and cable industry. The industry is a volume-driven product and has evolved from the unorganised to the organised sector. However, about 35 per cent of this industry is still in the unorganised.*



# Indian Wire and Cable Market-Size and Growth







*The increasing demand for power, light and communication has kept demand high for wire and cable. The wires and cables market in India comprises nearly 40% of the electrical industry. According to industry experts, it is expected to double in size in the next five years. The market is growing at a CAGR of 15% as a result of growth in the power and infrastructure segments. The present estimated per capita consumption is only about 0.5 kg.*





***The market is divided into different segments in terms of product variation. The basic division is between cables and conductors. Cables are either power cables or control cables. Power cables supply energy at voltages upto 230 KV. Control cables are low voltage cables (upto 0.6 KV) used to transmit control signals in switch boards. The conducting material can be copper or aluminium with insulating material, PVC, XLPE, elastomers or paper. The cable market is segmented by the combination of material used to form the conductor, the insulator, sheathing and armouring.***







## Power Cables

### Demand : Past and Future

Year	(In '000 Km)
1990-91	25.70
2000-01	29.65
2001-02	29.45
2002-03	31.51
2003-04	33.40
2004-05	36.07
2005-06	38.78
2006-07	41.30
2007-08	44.60
2008-09	47.28
2009-10	51.06
2010-11	55.66
2011-12	60.67
2012-13	66.25
2013-14	72.48
2014-15	79.44
2015-16	84.60
2016-17	90.10
2017-18	95.96
2018-19	102.20
2019-20	108.84
2024-25	156.25



*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 electric wire and cable market in India to grow at a CAGR of 16.18% over the period 2015-2019. 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.*

*Imports of Aluminium Wire by India stood at about 25,040 tons. The volume increased to 29,601 tons in 2016. Based on the trend of last two years, the aluminium wire import is forecasted to increase to about 36,275 tons for the first eleven months of 2017. The constant rise in import is driven by growing domestic aluminium consumption to manufacture value added aluminium products in the country to fulfil the growing domestic end-user demand.*



*Aluminium Wire production capacity in the Asia Pacific region in the coming years will show a continued growth. In India, for example, due to the investment growth in many areas, consumer confidence and improve the business environment in India will contribute to growth in demand for aluminium wire.*







**Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Required Project**

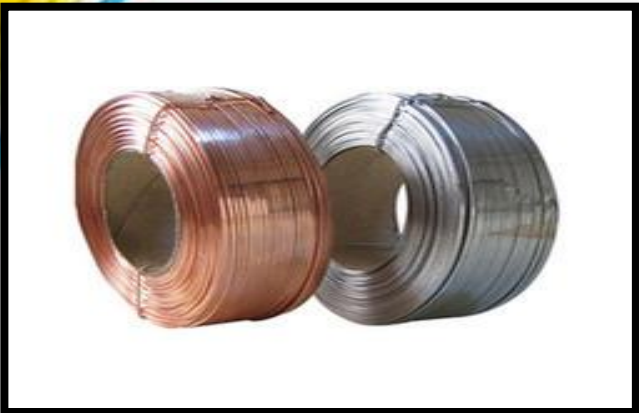
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***Some of the Profitable Small and Medium Scale Manufacturing Business Ideas are as Follows:***

➤ ***STITCHING WIRE***

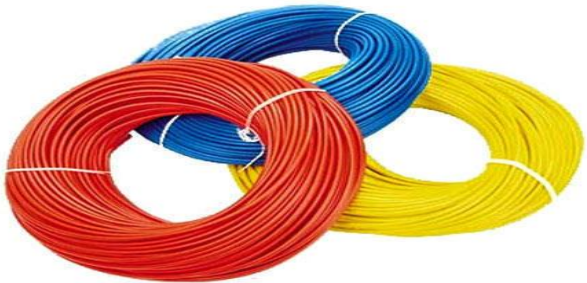
***Stitch wire used for stitching cardboard carton/boxes in stitching paper notebooks, books, paper boxes etc. This is a product, which enjoys a large demand in industrial areas. Stitch wire is produced from standard wire rod of mild steel drawing to thin gadgets of wires of circular cross section followed by flattening. [Read more](#)***





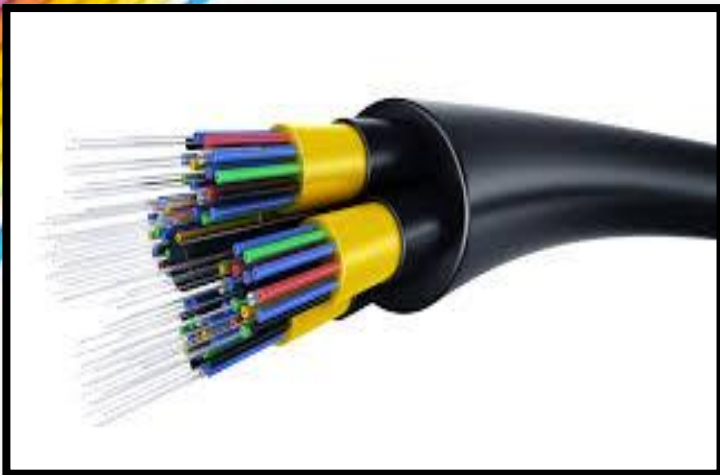
## ➤ **PVC ELECTRIC WIRES & CABLES**

*In the field of insulated cables, PVC cables have occupied an important place and in fact these are most popularly used in homes for domestic wiring. Various types of PVC cables are available, e.g., cables for control, signaling, instrumentation, rural electrification and house wiring, [Read more](#)*



## ➤ **FIBER OPTICAL CABLES**

***An optical fiber (or optical fibre) is a flexible, transparent fiber made of extruded glass (silica) or plastic, slightly thicker than a human hair. It can function as a waveguide, or light pipe, to transmit light between the two ends of the fiber. Power over Fiber (PoF) optic cables can also work to deliver an electric current for low-power electric devices. [Read more](#)***





## ➤ **POWER CABLE**

*Electrical power cables used for transmission and distribution purposes consist of conductors stranded from plain high conductivity annealed copper wires insulated with oil impregnated paper tapes. Underground construction is necessitated in the more density built up portions of cities by the heavy transformers and lines required and by the multiplication of service connections to buildings. [Read more](#)*





## ➤ **PVC & XLPE CABLES**

*A power cable is an assembly of two or more electrical conductors, usually held together with an overall sheath. The assembly is used for transmission of electrical power. Power cables may be installed as permanent wiring within buildings, buried in the ground, run overhead, or exposed. [Read more](#)*





## ➤ **R-F COAXIAL CABLE**

***A coaxial Cable is one that consists of two conductors that share a common axis. The inner conductor is typically a straight wire, either solid or stranded and the outer conductor is typically a shield that might be braided or a foil. Coaxial cables and systems connected to them are not ideal. There is always some signal radiating from coaxial cable. [Read more](#)***



## ➤ **ALUMINIUM WIRE & CABLES**

**Wire means Solid conductor or Insulated conductor which has strength and with cover or without cover and Cable means Insulated conductor (Solid or Stranded) or two more than insulated conductor are kept together in insulated layer. [Read more](#)**

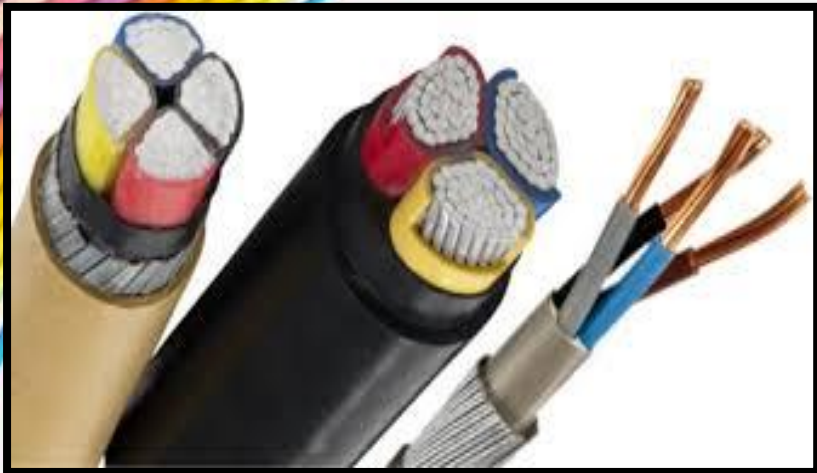






## ➤ **LT CABLE**

***A low-tension line is a low voltage line and a high-tension line is a high voltage line. In India LT supply is of 400 Volts for three-phase connection and 230 Volts for single-phase connection. High tension or HT supply is applicable for bulk power purchasers who need 11 kilo-Volts or above. [Read more](#)***



## ➤ **LV CONTROL & POWER CABLES, MV CABLES**

***An electrical cable is an assembly of one or more wires running side by side or bundled, which is used to carry electric current. A power cable is an electrical cable, an assembly of one or more electrical conductors, usually held together with an overall sheath. The assembly is used for transmission of electrical power. [Read more](#)***







## ➤ **ALUMINIUM WIRE DRAWING WIRE MESH PLANT**

*Aluminium is one of the metal, which is widely available in many countries. There are various uses of aluminium metal of which manufacturing of aluminium wire and wire mesh is one of them. Aluminium wire is largely used in the cable industry as well as alone it is used for electrical transmission. [Read more](#)*





## ➤ **WIRE DRAWING LUBRICANTS**

***Lubricants are the products used for the lubrication of sliding or rolling elements. Product similar to these with respect to composition, manufacturing process and properties, however which serve other purposes may also considered as lubricants. Wire drawing lubricants are not a very common type of lubricant. [Read more](#)***







➤ **COPPER WIRE DRAWING (FROM HIGHER SIZE TO VERY THIN SIZE USED IN ELECTRICAL CABLES)**

*Copper wire is an essential material for electrical cables, motor and transformer winding. It is available in different gauges. The gauge of the copper wire depends upon the winding required for the specific motor or transformer. On the basis of high conductivity, strength and ductility, [Read more](#)*





## Tags

Wire Manufacturing, Cables and Wires Manufacturing Plant, Wire & Cable Manufacturing Unit, Cables Manufacturing Business, Cable & Wire Production, Manufacture of Electric Wire and Cable, How to Start an Electric Wire & Cable Business, Starting an Electric Wire & Cable Manufacturing Business, How to Start a Cable Manufacturing Company, Setting up Cable Manufacturing Unit, PVC Cables Making Plant, Wire & Cable Manufacturing Company, Production of Stitching Wire, Stitching Wire Manufacture, Stitching Wire Manufacturing Process, Stitching Wire Making Business, Stitching Wire Manufacturing Plant, Stitching Wire Production, Electric Cable Making Business, PVC Electric Wires & Cables Manufacturing Plant, PVC Cables Manufacturing, Electric Wire Manufacturing Plant, Manufacture of PVC Cable, Electric Wire Manufacture, Electric Cable Manufacturing in India, Production of PVC Electric Wires & Cables, Manufacture of Fibre Optic Cable, Fiber Optic Cable Production, Fiber Optic Cable Manufacturing, Fiber-Optic Cable Manufacturing Industry, Production of Fiber Optical Cables, Power Cables Manufacture, Power Cable Manufacturing Business, Production of Power Cable, Production of PVC & XLPE Cables, XLPE Cables Manufacture, Manufacturing of XLPE Cables, Production of R-F Coaxial Cable, Manufacturing of RF Coaxial Cable, Coaxial Cables Manufacturing Process, Production of Aluminium Wire & Cables, Aluminium Wires Manufacture,





Wire and Cable Manufacturing Industry, LT Cable Manufacture, Production of LT Cable, Manufacturing of LV Control & Power Cables, MV Cables, Aluminium Wire Drawing Wire Mesh Plant, Wire Drawing Lubricants, Copper Wire Drawing (From Higher Size to Very Thin Size Used in Electrical Cables), PVC Electric Wires & Cables Manufacturing project ideas, Projects on Small Scale Industries, Small scale industries projects ideas, PVC Electric Wires & Cables Manufacturing Based Small Scale Industries Projects, Project profile on small scale industries, HT & LT Power cables, HT XLPE cable up to 66 kV and LT XLPE / PVC insulated cable, Cables, Flexible Wires & Cables, LT/HT Power & Control Cables, Wires and Cables Industry, Power Cables and Control Cables, Building Wires and Cables, Automotive Cables, UPS Cables, Winding PVC Cables, Optical Fibre Cables (OFCs), Jelly Filled Telephone Cables (JFTCs), Co-axial Cables and LAN Cables, Power Cable, Wires, Cables, Electrical Cables, Building Wires, Wires and Cable, How to Start PVC Electric Wires & Cables Manufacturing Industry in India, PVC Electric Wires & Cables Manufacturing Projects, New project profile on PVC Electric Wires & Cables Manufacturing industries, Project Report on PVC Electric Wires & Cables Manufacturing Industry, Detailed Project Report on Power Cable Manufacturing, Project Report on Fiber Optic Cable Manufacturing, Pre-Investment Feasibility Study on Aluminium Wire Drawing, Techno-Economic feasibility study on PVC Electric Wires & Cables Manufacturing, Feasibility report on Stitching Wire Manufacturing, Free Project Profile on Aluminium Wire Drawing, Project profile on Stitching Wire Manufacturing, Download free project profile on Aluminium Wire Drawing, Startup Project for Fiber Optic Cable Manufacturing, Project Report for Bank Loan, Project Report for Bank Finance, Project Report Format for Bank Loan in Excel, Excel Format of Project Report and CMA Data, Project Report Bank Loan Excel



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## Major Queries/Questions Answered in Our Report?

- 1. How has the industry performed so far and how will it perform in the coming years?**
- 2. What is the Project Feasibility of the Plant?**
- 3. What are the requirements of Working Capital for setting up the plant?**
- 4. What is the structure of the industry and who are the key/major players?**

- 5. What is the total project cost for setting up the plant?**
- 6. What are the operating costs for setting up the plant?**
- 7. What are the machinery and equipment requirements for setting up the plant?**
- 8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?**
- 9. What are the requirements of raw material for setting up the plant?**



10. **Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?**
11. **What is the Manufacturing Process of the plant?**
12. **What is the total size of land required for setting up the plant?**
13. **What will be the income and expenditures for the plant?**
14. **What are the Projected Balance Sheets of the plant?**

- 15. What are the requirement of utilities and overheads for setting up the plant?**
- 16. What is the Built up Area Requirement and cost for setting up the plant?**
- 17. What are the Personnel (Manpower) Requirements for setting up the plant?**
- 18. What are Statistics of Import & Export for the Industry?**
- 19. What is the time required to break-even?**



- 20. What is the Break-Even Analysis of the plant?**
- 21. What are the Project financials of the plant?**
- 22. What are the Profitability Ratios of the plant?**
- 23. What is the Sensitivity Analysis-Price/Volume of the plant?**
- 24. What are the Projected Pay-Back Period and IRR of the plant?**
- 25. What is the Process Flow Sheet Diagram of the plant?**
- 26. What are the Market Opportunities for setting up the plant?**
- 27. What is the Market Study and Assessment for setting up the plant?**
- 28. What is the Plant Layout for setting up the plant?**



## Reasons for Buying Our Report:

- **The 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**
- **The report provides vital information on the product like it's characteristics and segmentation**
- **The report helps you market and place the product correctly by identifying the target customer group of the product**





- **The 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**





## **Free Instant Online Project Identification and Selection Service**

**Our Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.....[Read more](#)**



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**NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.**

**Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the 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**

**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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## 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*





## What do We Offer?

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- *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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