

# List of Profitable Business Ideas in Manufacturing of

**Distribution Transformer, Transformer, Electrical Transformer,  
Current Transformers, Voltage Stabilizers, Servo Controlled  
Stabilizer, UPS, Inverter, Power Inverters, Transformer Oil and  
Repair of Distribution, Power Transformer.**





## **Introduction**

***Electricity is a major constituent for the economic growth of the country. There has been a surge in demand for power in India which was due to increase in capacity utilization, industrialization, urbanization and population.***

***A transformer is a device that transfers electrical energy from one circuit to another circuit, operating on the principle of electromagnetic induction. A basic transformer consists of a core that creates a path for magnetic flux, a primary coil that receives current from an AC source, a secondary coil that receives current from the primary winding and transfers it to the load, and finally, an enclosure that protects the transformers from dirt, moisture, and other damage.***



*Transformers are basically of two types: power and distribution transformers. Power transformers are used for stepping up or stepping down the electric current voltage from generators. Distribution transformers are used for changing electric current voltage at various transmission stations and sub-stations.*

*The Transformer market in India can be segmented into two product segments: Distribution Transformer, and Power Transformer. The Transformer market in India is also segmented into three categories based on voltage levels: 11kV-220kV, 220kV-400kV, and 400 kV and above.*





*India is one of the leading transformer manufacturing countries in the world. The easy availability of raw materials, cheap labor compared to developed nations, and qualified technical manpower has led India to emerge as one of the global leaders in transformer manufacturing. Transformer manufacturing industry in India is a mature industry and is more than five decades old. The industry has the capability to develop transformers of all kinds – instrument transformers, distribution transformers and power transformers. Transformers manufactured in India are considered to be of high quality and is therefore preferred by buyers from across the globe. In addition to quality, the prices of transformers manufactured in India are lower which provides it a competitive edge in the global marketplace and has led to a considerable growth of the industry in the past few years.*



*Today, transformers manufactured in India are not just used in the domestic market, but are exported to several countries in Africa, Asia, the Gulf region and the European Union.*

*Transformers are an indispensable component of an alternate current (AC) electrical system for electricity generation, transmission or distribution. In addition, the demand for transformers increases proportionately with the amplification of power generation, transmission or distribution networks in the country. In India, the demand for equipment used in power sector is multiplying at a rapid rate because of social, economic and industrial development.*



***Indian power and distribution transformer market is expected to witness significant growth buoyed by initiatives like smart cities, power for all etc. Under the government's ongoing reform and financial restructuring drive in the energy sector, India now has surplus power, fiscal discipline in utilities, sufficient coal availability and an unprecedented growth in the green energy market.***

***With the advent of smart cities and India's bullish push for green energy business projects and soaring power generation demand, the transformer market is expected to witness a huge increase in domestic demand as the energy sector will evolve to cater to the growing market.***



*The market for power & distribution transformers in India is projected to grow at a CAGR of 10.5% during 2015-20. Growth of the country's power transmission and distribution (T&D) sector remained sluggish during 10th and 11th five year plan due to inadequate investments allocated by the Indian government. However, under the 12th five year plan, the Indian government is focused towards expansion of the country's T&D network with significantly higher investments than previous five year plans, which is expected to result in robust growth of the power & distribution transformers industry over the next five years.*





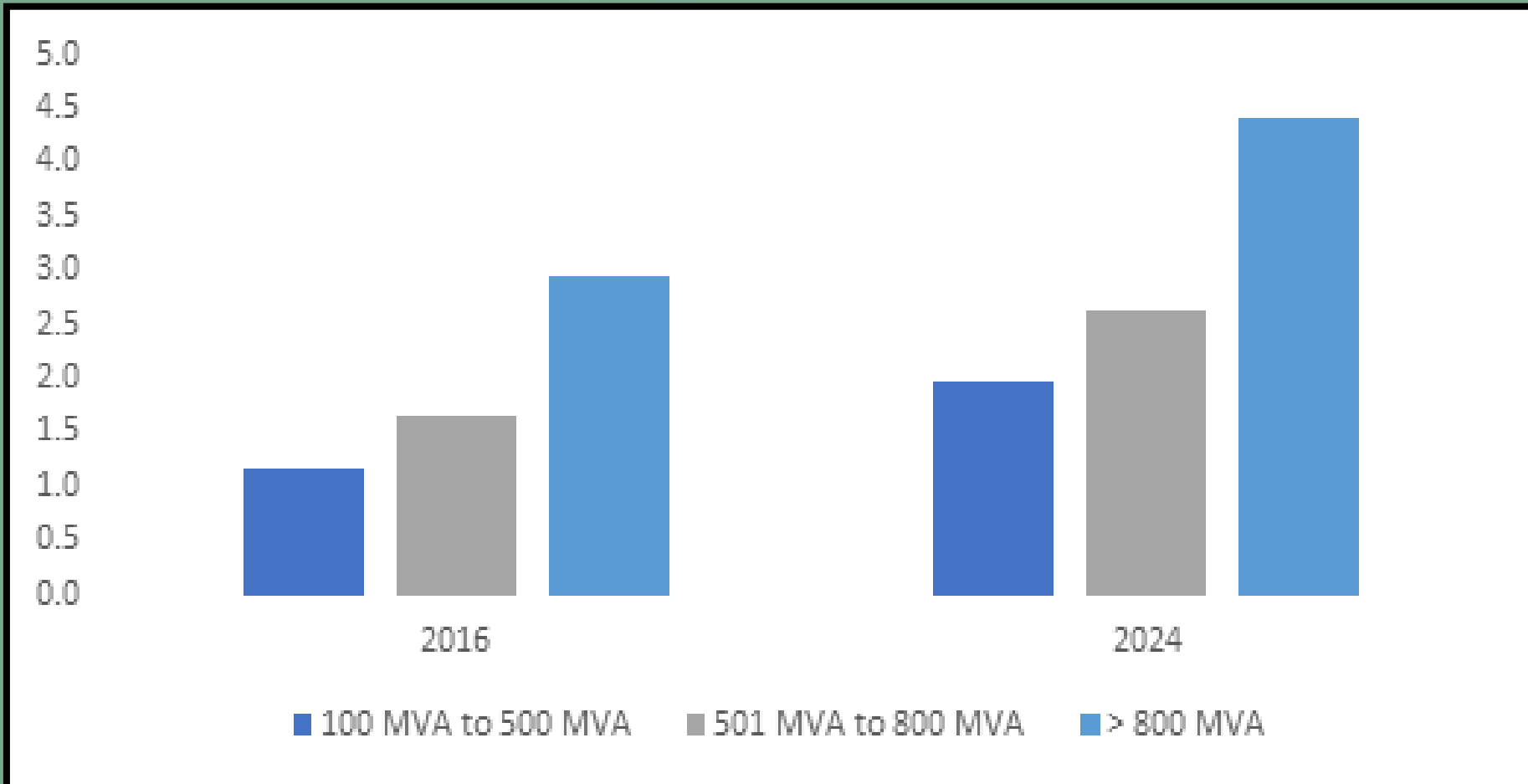
*Upcoming government projects like Green Energy Corridor for power generation from renewable sources would further add to the overall power and distribution transformer installations in the country. India has also entered into a technological collaboration with Germany under which Germany would extend its technical assistance for upgrading India's existing power grid and facilitate flow of renewable energy through the grid.*







## *Power Transformer Market Size, By Rating, 2016 & 2024 (USD Billion)*



***Transformer Oil serves two important functions in a transformer i.e. suppression of arcing and dissipation of heat generated inside the transformers. Transformer oils are derived from the fractional distillation of crude oil. They are stable at very high temperature and show significant insulating properties. There are three types of transformer oil based on origin: mineral oil-based, silicone oil-based, and bio-based. The market for the transformer oils has witnessed a stable growth during past five years and this trend is expected to continue in the near future. Rising power consumption, increasing investment in the power sector and expansion of electrical grids in the developing regions are the major factors driving the growth of the transformer oils market worldwide. Rising production of transformers is a major factor driving the growth of the transformer oils market; however, increasing adoption of dry transformers and volatility in raw material prices further restrict the market growth.***

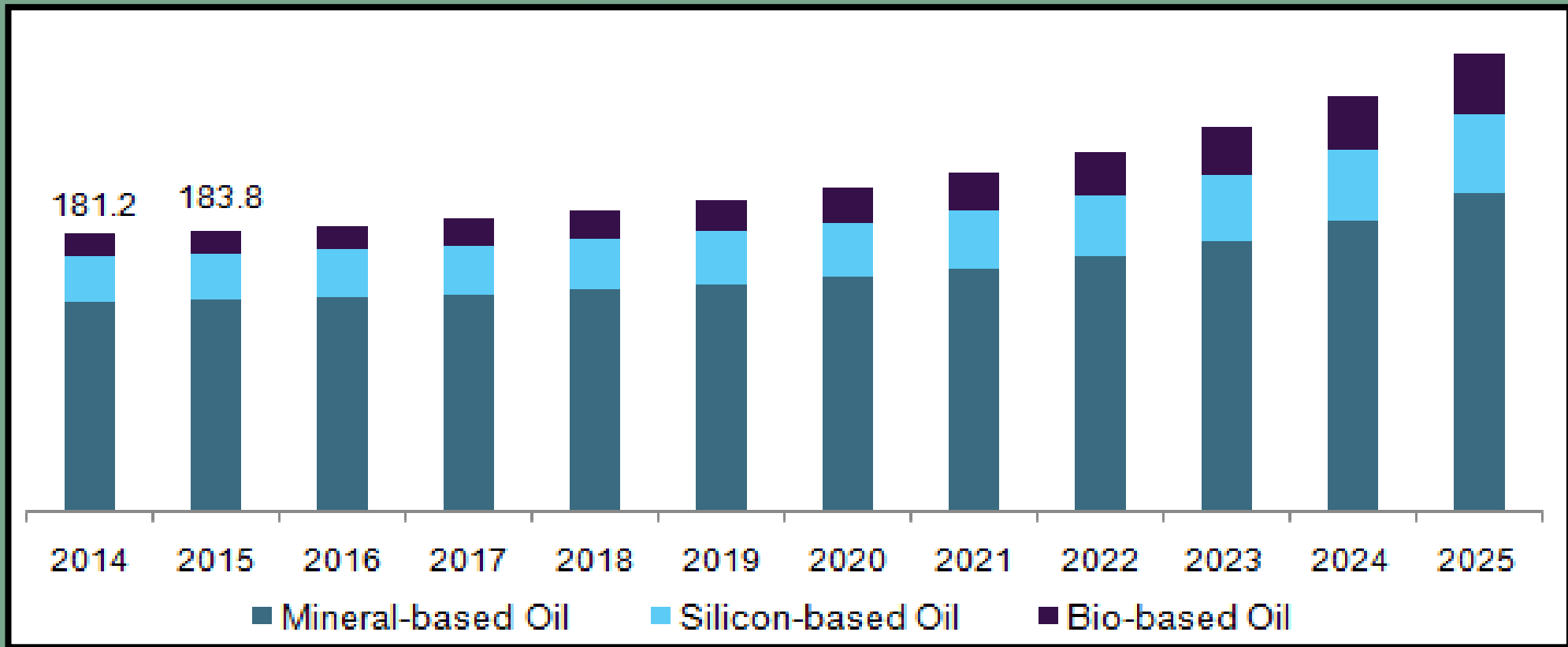


*Rapid urbanization, drastic industrialization and the progressive access to modern electricity grids in major parts of rural areas in Asia Pacific have led to an increase in electricity consumption. The electricity demand in this region alone has nearly doubled in the last few years. Growing consumer requirements and the exponential development in distribution networks has also contributed to industry growth.*





***U.S. Transformer Oil Market Revenue, by Product, 2014 - 2025 (USD Million)***





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

List of Profitable Business Ideas in Manufacturing of Distribution Transformer, Transformer, Electrical Transformer, Current Transformers, Voltage Stabilizers, Servo Controlled Stabilizer, UPS, Inverter, Power Inverters, Transformer Oil and Repair of Distribution, Power Transformer.

## ***Small and Medium Business Ideas You Could Start Today:***

### **➤ DISTRIBUTION TRANSFORMER**

***The transformers is a device that transfers electricity or energy from one electric circuit to another without change of frequency and usually, but not always, with a change in voltage. In India the role of transformers assumes an added significance since in most of the states, [Read more](#)***





## ➤ **TRANSFORMER OIL**

*These are mineral oils and are used to dissipate the heat generated in electric transformers, switches, circuit breakers and motor starters etc. They also act as electrical insulators. As transformers consume maximum amount of such oils, most of these are also called Transformer Oil. [Read more](#)*





## ➤ **POWER TRANSFORMER UPTO 40 MVA**

*Over the past hundred years transformers have played a major role in the growth of almost all industries in the world. The transformer is a device that transfers electricity or energy from one electric circuit to another without change of frequency and usually, but not always, with a change in voltage. [Read more](#)*







## ➤ **DISTRIBUTION TRANSFORMERS AND REPAIRS**

*The transformer is a device that transfers electricity or energy from one electric circuit to another without change of frequency and usually, but not always, with a change in voltage. The basic principle of a transformer is Faraday's laws of Electromagnetic Induction, which states that whenever the flux linked with a coil changes an E.M.F is induced. [Read more](#)*





## ➤ **POWER TRANSFORMER**

*Power Transformers are used in Transmission network so they do not directly connect to the consumers. These are not loaded fully at all time so iron losses takes place 24hr a day and cu losses takes place based on load cycle. Average loads are about only 75% of full load and these are designed in such a way that max efficiency occurs at 75% of full load. [Read more](#)*





## ➤ **REPAIR & REFURBISHMENT OF POWER TRANSFORMERS**

***Transformer is a machine that transfers electrical energy from one electrical circuit to another without changing frequency by the principle of electromagnetic induction. Since its basic construction requires no moving parts so it is often called the static transformer and it is very rugged machine requiring the minimum amount of repair and maintenance. [Read more](#)***





## **Tags**

Electrical Transformers, Manufacturing of Distribution Transformer, Distribution Transformer, Transformer Manufacturing Process, Transformers Manufacturing Unit, Electrical Transformers, Transformer Manufacturing Industry, Transformer Manufacturing Business, Power Transformer Manufacturing Business, Power Transformer Manufacturing Company, Electrical Power Transformer Manufacture, How to Start an Electric Transformers Business, Manufacturing of Transformers, Production for Transformer, Transformer Industry, Manufacture of Distribution Transformers, Transformer Production, Power Transformer & Distribution Transformer Manufacture, Distribution transformer production, Production of Transformers for Power Distribution, Industrial Transformers, Small Transformer Manufacturing Process, Small Transformer Making business, Project Profile on Small Transformer, Distribution Transformer Manufacturing Plant, Project Report on Distribution Transformer Manufacturing, Electrical Power Transformers, Production of Transformer Oil, Process for Producing Transformer Oil, Process for Production of Transformer Oil, Transformer Oil Manufacturing Plant, Transformer Oil Industry, Transformer Oil Plant, Manufacture of Transformer Oil, Manufacturing of Transformer Oil, Power Transformer Manufacturing Process, Power Transformer Manufacture, Manufacturing of Power Transformer Upto 40 MVA, Distribution Transformers and Repairs,



Power Transformer Production, Repair & Refurbishment of Power Transformers, Transformer Oil Manufacturing project ideas, Projects on Small Scale Industries, Small scale industries projects ideas, Transformer Oil Manufacturing Based Small Scale Industries Projects, Project profile on small scale industries, How to Start Transformer Oil Manufacturing Industry in India, Transformer Oil Manufacturing Projects, New project profile on Transformer Manufacturing industries, Project Report on Transformer Manufacturing Industry, Detailed Project Report on Distribution Transformer Manufacturing, Project Report on Power Transformer Production, Pre-Investment Feasibility Study on Distribution Transformer Manufacturing, Techno-Economic feasibility study on Transformer Manufacturing, Feasibility report on Power Transformer Production, Free Project Profile on Transformer Manufacturing, Project profile on Distribution Transformer Manufacturing, Download free project profile on Power Transformer Production, Startup Project for Power Transformer Production, 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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### **▪ Detailed Project Reports**

**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,**



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**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](#)**



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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?

- *Project Identification*
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- *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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