

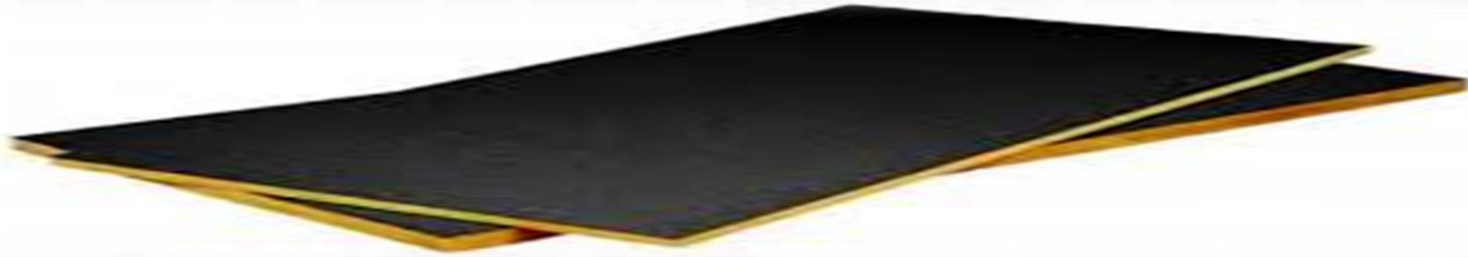
# Fiberglass Wool Ceiling Tiles

**Production Business.**

**“Great Ideas and Opportunities for  
Entrepreneurs”**



# INTRODUCTION



**Fiberglass Ceiling Tiles have a non-woven fiberglass or glass wool mesh core that is fully encapsulated with either a square or triangular edge. Silica sand is used to make Fiberglass or glass wool, which is a recyclable and environmentally friendly green material. This is also one of the finest insulation materials on the market, both in terms of thermal and acoustic insulation. Even when in close and prolonged contact with fire, it is a non-combustible material.**



**It does not produce poisonous gases or smoke, which are two of the most harmful health and life hazards in the event of a burn. Fiber Ceiling Tiles are suitable for ceilings in offices, industrial and commercial buildings, and other locations because they are light weight and easy to mount. Fiberglass acoustic ceiling tiles are lightweight and simple to handle, with excellent sound absorption. Mineral Fiber Ceiling Tiles have excellent thermal and acoustic insulation.**

**Fiberglass and Mineral Fiber Ceiling Tiles are available in a variety of price points, with the best sound absorption (NRC) to help you achieve the best acoustics for your project. Fiberglass ceilings and Mineral Fiber Ceiling Tiles are a variety of fire-rated, naturally resistant to mould and mildew growth, compatible with standard suspension systems and perimeter trim, and available in a variety of unique views, including Accessible in a variety of views, including form and blade, texture, and shape, as well as a variety of colors. The tiles are made of third-generation glass wool with a high density. The tile's transparent surface is a high-quality batch of white glass tissue that has been coated with glass tissue on the back. The edges have been painted.**

# USES OF FIBERGLASS WOOL CEILING TILES

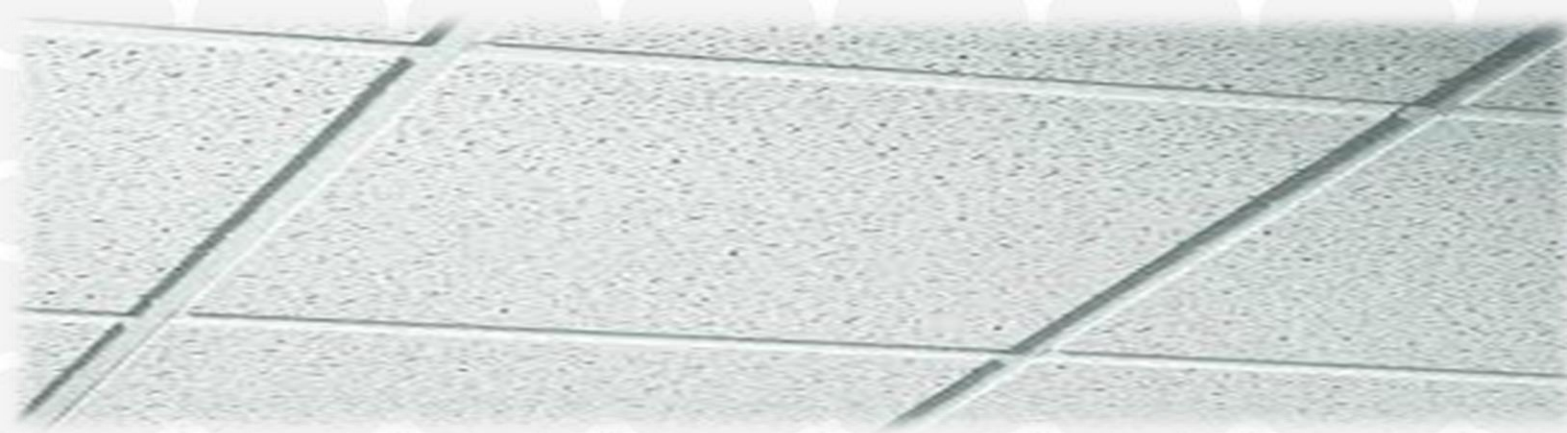


**There are many benefits to installing a ceiling in your home, and it can be used in a variety of settings. These ceiling tiles are simple to install and simply slot into place within the grid; they are a fast and easy process to complete. Tiles also provide a nice, tidy finish while concealing any plumbing or electrical wires that run along the original ceiling. Any dangling wires or uncovered pipe work are hidden away, giving the space a much more clean and tidy appearance.**





**Because of the versatile movement of suspended ceiling tiles, they can be quickly replaced if they get damaged for any purpose, and any maintenance to components behind them can be done with ease. By simply moving a ceiling panel aside, you can reach any leaky pipework or defective wiring. Tiles are now available in a wide range of styles, colours, and materials.**



**Suspended ceilings were once thought to be outdated, but thanks to the wide range of design options available today, your property will benefit from stylish suspended ceilings. Furthermore, since they are built to minimise noise reverberation, these types of ceilings can play an important role in acoustics and noise absorption, making the room quieter and more noise tolerant.**

# **PRODUCTION PROCESS OF FIBERGLASS WOOL CEILING TILES**



**Fiber ceilings are a sound-absorbing green building material that can be recycled.**

**1. The manufacturing of mineral wool decorative sound-absorbing panels is a lengthy process. Wet-laid wire netting, wet round wire netting, dry-laminating and moulding, and semi-drying methods are all available. Wet process is used by the majority of producers. It is formed by pulping, long wire netting, dewatering, slitting, drying, slitting, spraying, and finishing wet long wire netting. Wait for the entire wet process development process to be completed in two stages.**





## **2. Decorative processing**

***Blind hole processing:* Semi-finished products are rolled to create impermeable holes of various sizes and shapes to improve the sound absorption effect, and then edge processing, colouring, and drying are completed.**



***Processing of printing plates:*** Blind hole plates are processed into vertical and horizontal grooves using special milling machines, or they are milled, coloured, and dried in a circular fashion. Semi-finished items are painted with pre-matched paint and printed on a template on a printing machine, and the designs may also be sprinkled with fine sand and dried.



***Embossed plate processing:*** After the semi-finished product is coloured, different patterns are pressed out using embossed plates in a press, and then cut and tenoned. The relief plate is manufactured by a reputable company, and the manufacturing costs are substantial.

# MARKET OUTLOOK OF FIBERGLASS WOOL CEILING TILES

**In 2020, the global ceiling tile market is expected to be worth USD 5.93 billion. From 2021 to 2028, it is projected to rise at a compound annual growth rate (CAGR) of 8.8%. Development in the commercial construction industry is expected to drive the market, with new office towers, institutional buildings, healthcare facilities, and malls being built all over the world.**



**With growing demand for acoustic and thermal insulation, rising disposable income in developing countries, and changing customer preferences for home and office building aesthetics, the market is expected to expand. The market dynamics are expected to benefit from the use of sustainable and creative building methods that include the use of eco-friendly materials for ceilings, floors, and walls. Mineral fibres, metals, gypsum, fiberglass, plastics, and wood are among the raw material manufacturers with a wide presence on the market.**



**Backward and forward integration techniques are being used by manufacturers to gain leverage over the quality of raw materials used to make tiles, as well as to increase their customer base by managing distribution networks. Several firms, including Armstrong Roof, Knauf, and ROCKWOOL INSULATION A/S, have invested in the development of ceiling tiles with high fire resistance properties, and the industry is expected to expand significantly. This is due to a rise in the demand for healthy residential, commercial, and industrial complex construction.**

**Green building practices are expected to spread through developed economies in North America and Europe, as well as major developing regions in Asia Pacific, as people become more aware of the benefits of using environmentally sustainable building materials. In addition, key players' increasing adoption of reuse and recycling of building materials is expected to drive market growth in the coming years.**

## KEY PLAYERS:-

- **K-Flex India Pvt. Ltd.**
- **Kingspan Jindal Pvt. Ltd.**
- **Lloyd Insulations (I) Ltd.**
- **Owens Corning Inds. (India) Pvt. Ltd.**
- **Rock Wool (India) Pvt. Ltd.**
- **Saint-Gobain Gyproc India Ltd.**





# MACHINERY PHOTOGRAPHS

## MIXING MACHINE



# **CEILING TILES DRYER KILN**



## **HOT AIR GENERATOR**



## **TROLLEY**



# PROJECT AT A GLANCE

**COST OF PROJECT****MEANS OF FINANCE**

<b>Particulars</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	<b>Particulars</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
<b>Land &amp; Site Development Exp.</b>	<b>0.00</b>	<b>43.00</b>	<b>43.00</b>	<b>Capital</b>	<b>0.00</b>	<b>53.12</b>	<b>53.12</b>
<b>Buildings</b>	<b>0.00</b>	<b>83.88</b>	<b>83.88</b>	<b>Share Premium</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Plant &amp; Machineries</b>	<b>0.00</b>	<b>32.00</b>	<b>32.00</b>	<b>Other Type Share Capital</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Motor Vehicles</b>	<b>0.00</b>	<b>10.00</b>	<b>10.00</b>	<b>Reserves &amp; Surplus</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Office Automation Equipments</b>	<b>0.00</b>	<b>15.30</b>	<b>15.30</b>	<b>Cash Subsidy</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Technical Knowhow Fees &amp; Exp.</b>	<b>0.00</b>	<b>3.00</b>	<b>3.00</b>	<b>Internal Cash Accruals</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Franchise &amp; Other Deposits</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>Long/Medium Term Borrowings</b>	<b>0.00</b>	<b>159.37</b>	<b>159.37</b>
<b>Preliminary &amp; Pre-operative Exp</b>	<b>0.00</b>	<b>1.00</b>	<b>1.00</b>	<b>Debentures / Bonds</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Provision for Contingencies</b>	<b>0.00</b>	<b>9.45</b>	<b>9.45</b>	<b>Unsecured Loans/Deposits</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Margin Money - Working Capital</b>	<b>0.00</b>	<b>14.86</b>	<b>14.86</b>				
<b>TOTAL</b>	<b>0.00</b>	<b>212.49</b>	<b>212.49</b>	<b>TOTAL</b>	<b>0.00</b>	<b>212.49</b>	<b>212.49</b>

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	5.46	8.75	15.46	24.00	0.00	100.00	5.46	0.00	5.46	1.00	0.00
2-3	8.61	11.51	24.07	18.00	0.00	100.00	8.61	0.00	8.61	1.00	0.00
3-4	11.65	14.21	35.71	12.00	0.00	100.00	11.65	0.00	11.65	1.00	0.00
4-5	14.52	16.78	50.24	6.00	0.00	100.00	14.52	0.00	14.52	1.00	0.00
5-6	17.22	19.22	67.46	0.00	0.00	100.00	17.22	0.00	17.22	1.00	0.00

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)	%	%	%	%	%	%				
<b>Initial</b>				<b>3.00</b>	<b>3.00</b>									
<b>1-2</b>	<b>1.31</b>	<b>1.31</b>		<b>1.55</b>	<b>1.55</b>	<b>2.21</b>		<b>15.79%</b>	<b>9.12%</b>	<b>6.10%</b>	<b>233.49</b>	<b>49.13%</b>	<b>1.82</b>	<b>0.97</b>
<b>2-3</b>	<b>1.67</b>	<b>1.49</b>		<b>0.75</b>	<b>0.75</b>	<b>1.24</b>		<b>18.29%</b>	<b>12.77%</b>	<b>8.25%</b>	<b>268.21</b>	<b>48.38%</b>	<b>1.96</b>	<b>1.28</b>
<b>3-4</b>	<b>2.08</b>	<b>1.67</b>	<b>2.07</b>	<b>0.34</b>	<b>0.34</b>	<b>0.71</b>		<b>19.96%</b>	<b>15.31%</b>	<b>9.76%</b>	<b>306.43</b>	<b>48.36%</b>	<b>1.97</b>	<b>1.69</b>
<b>4-5</b>	<b>2.55</b>	<b>1.87</b>		<b>0.12</b>	<b>0.12</b>	<b>0.42</b>		<b>21.05%</b>	<b>17.07%</b>	<b>10.82%</b>	<b>344.64</b>	<b>48.35%</b>	<b>1.90</b>	<b>2.15</b>
<b>5-6</b>	<b>3.07</b>	<b>2.07</b>		<b>0.00</b>	<b>0.00</b>	<b>0.24</b>		<b>21.74%</b>	<b>18.26%</b>	<b>11.55%</b>	<b>382.86</b>	<b>48.34%</b>	<b>1.78</b>	<b>3.62</b>

**BEP****BEP - Maximum Utilisation Year****5****Cash BEP (% of Installed Capacity)****59.27%****Total BEP (% of Installed Capacity)****62.04%****IRR, PAYBACK and FACR****Internal Rate of Return .. ( In %age )****25.73%****Payback Period of the Project is ( In Years )****2 Years 4 Months****Fixed Assets Coverage Ratio ( No. of times )****5.993**



- 1. What is Fiberglass Wool Ceiling Tiles Manufacturing industry ?**
- 2. How has the Fiberglass Wool Ceiling Tiles Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Fiberglass Wool Ceiling Tiles Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Fiberglass Wool Ceiling Tiles Manufacturing plant ?**

- 5. What is the structure of the Fiberglass Wool Ceiling Tiles Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Fiberglass Wool Ceiling Tiles Manufacturing Business?**
- 7. What are the operating costs for setting up Fiberglass Wool Ceiling Tiles Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Fiberglass Wool Ceiling Tiles Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Fiberglass Wool Ceiling Tiles Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Fiberglass Wool Ceiling Tiles Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Fiberglass Wool Ceiling Tiles Manufacturing Business?**
- 12. What is the Manufacturing Process of Fiberglass Wool Ceiling Tiles?**

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

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### **(Instant Online Project Identification and Selection)**

**Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.**

**Visit:** <https://www.entrepreneurindia.co/project-identification>

## Download Complete List of Project Reports:

### ▪ Detailed Project Reports

**Visit:-** <https://www.entrepreneurindia.co/complete-project-list>

**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.**

**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](#)**



# **NIIR PROJECT CONSULTANCY SERVICES**

**AN ISO 9001: 2015 CERTIFIED COMPANY**

# ABOUT US



- *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.*

# 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**

- **Public-sector Companies**
- **Corporates**
- **Government Undertakings**
- **Individual Entrepreneurs**
- **NRI's**
- **Foreign Investors**
- **Non-profit Organizations, NBFC's**
- **Educational Institutions**
- **Embassies & Consulates**
- **Consultancies**
- **Industry / trade associations**

- **Ayurvedic And Herbal Medicines, Herbal Cosmetics**
- **Alcoholic And Non Alcoholic Beverages, Drinks**
- **Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin**
- **Activated Carbon & Activated Charcoal**
- **Aluminium And Aluminium Extrusion Profiles & Sections,**
- **Bio-fertilizers And Biotechnology**
- **Breakfast Snacks And Cereal Food**
- **Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling**
- **Bamboo And Cane Based Projects**
- **Building Materials And Construction Projects**
- **Biodegradable & Bioplastic Based Projects**
- **Chemicals (Organic And Inorganic)**
- **Confectionery, Bakery/Baking And Other Food**
- **Cereal Processing**
- **Coconut And Coconut Based Products**
- **Cold Storage For Fruits & Vegetables**
- **Coal & Coal Byproduct**



- **Copper & Copper Based Projects**
- **Dairy/Milk Processing**
- **Disinfectants, Pesticides, Insecticides, Mosquito Repellents,**
- **Electrical, Electronic And Computer based Projects**
- **Essential Oils, Oils & Fats And Allied**
- **Engineering Goods**
- **Fiber Glass & Float Glass**
- **Fast Moving Consumer Goods**
- **Food, Bakery, Agro Processing**
- **Fruits & Vegetables Processing**
- **Ferro Alloys Based Projects**
- **Fertilizers & Biofertilizers**
- **Ginger & Ginger Based Projects**
- **Herbs And Medicinal Cultivation And Jatropha (Biofuel)**
- **Hotel & Hospitality Projects**
- **Hospital Based Projects**
- **Herbal Based Projects**
- **Inks, Stationery And Export Industries**

- **Infrastructure Projects**
- **Jute & Jute Based Products**
- **Leather And Leather Based Projects**
- **Leisure & Entertainment Based Projects**
- **Livestock Farming Of Birds & Animals**
- **Minerals And Minerals**
- **Maize Processing(Wet Milling) & Maize Based Projects**
- **Medical Plastics, Disposables Plastic Syringe, Blood Bags**
- **Organic Farming, Neem Products Etc.**
- **Paints, Pigments, Varnish & Lacquer**
- **Paper And Paper Board, Paper Recycling Projects**
- **Printing Inks**
- **Packaging Based Projects**
- **Perfumes, Cosmetics And Flavours**
- **Power Generation Based Projects & Renewable Energy Based Projects**
- **Pharmaceuticals And Drugs**
- **Plantations, Farming And Cultivations**
- **Plastic Film, Plastic Waste And Plastic Compounds**
- **Plastic, PVC, PET, HDPE, LDPE Etc.**

- **Potato And Potato Based Projects**
- **Printing And Packaging**
- **Real Estate, Leisure And Hospitality**
- **Rubber And Rubber Products**
- **Soaps And Detergents**
- **Stationary Products**
- **Spices And Snacks Food**
- **Steel & Steel Products**
- **Textile Auxiliary And Chemicals**
- **Township & Residential Complex**
- **Textiles And Readymade Garments**
- **Waste Management & Recycling**
- **Wood & Wood Products**
- **Water Industry(Packaged Drinking Water & Mineral Water)**
- **Wire & Cable**

# MARKET RESEARCH REPORT

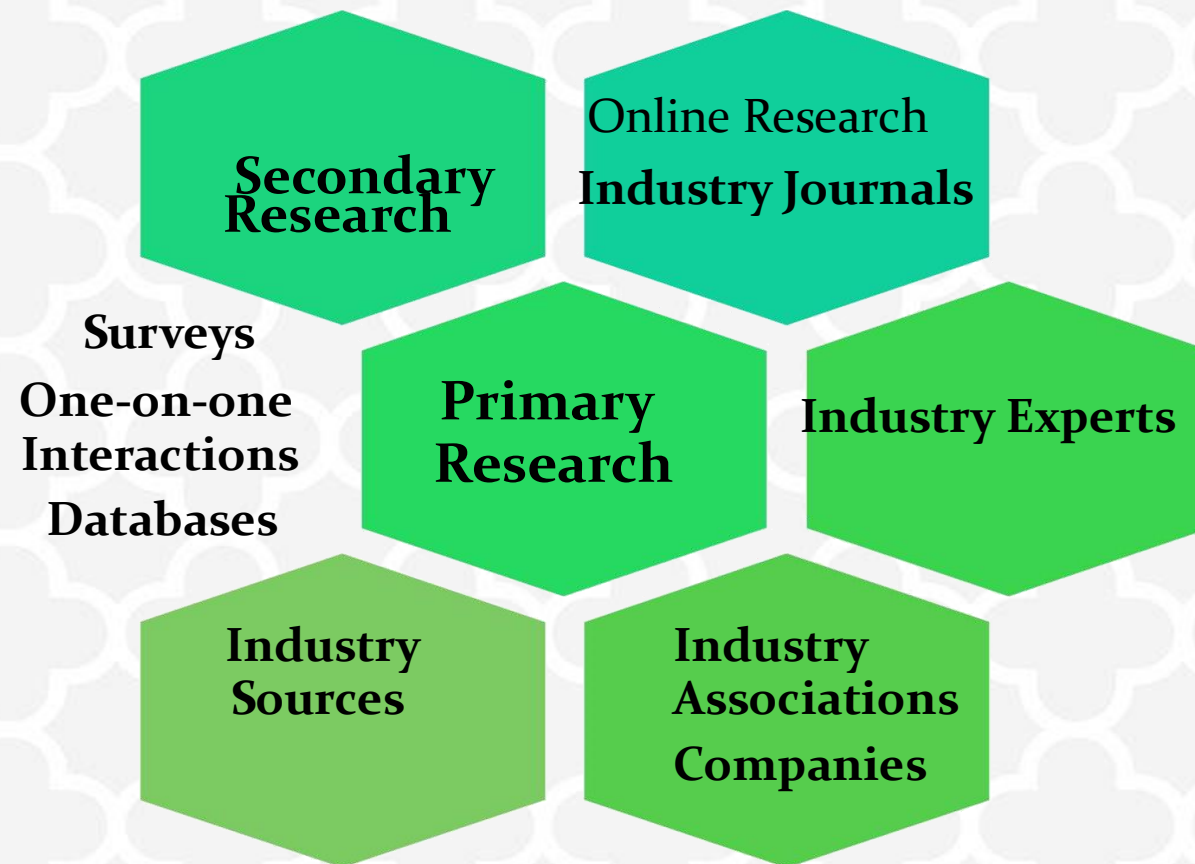
# Objective

- **To get a detailed scenario of the industry along with its structure and classification**
- **To provide a comprehensive analysis of the industry by covering aspects like:**
  - **Growth drivers of the industry**
  - **Latest market trends**
  - **Insights on regulatory framework**
  - **SWOT Analysis**
  - **Demand-Supply Situation**
  - **Foreign Trade**
  - **Porters 5 Forces Analysis**

- **To provide forecasts of key parameters which helps to anticipate the industry performance**
- **To help chart growth trajectory of a business by detailing the factors that affect the industry growth**
- **To help an entrepreneur/manager in keeping abreast with the changes in the industry**
- **To evaluate the competitive landscape of the industry by detailing:**
  - **Key players with their market shares**
  - **Financial comparison of present players**

- **Venturist/Capitalists**
- **Entrepreneur/Companies**
- **Industry Researchers**
- **Investment Funds**
- **Foreign Investors, NRI's**
- **Project Consultants/Chartered Accountants**
- **Banks**
- **Corporates**
- [Click here for list](#)

# Data Sources





# Scope & Coverage



# Our Team

- Our research team comprises of experts from various financial fields:
- MBA's
- Industry Researchers
- Financial Planners
- Research veterans with decades of experience

# Structure of the Report

- 1. Overview**
- 2. Market Analysis**
  - 2.1 Growth Drivers**
  - 2.2 Emerging Trends in the Industry**
  - 2.3 Regulatory Framework**
  - 2.4 SWOT Analysis**
  - 2.5 Herfindahl–Hirschman Index (HHI)**
- 3. Market Forecasts**
- 4. Key Players**
- 5. Key Financials and Analysis**
  - 5.1 Contact Information**
  - 5.2 Key Financials**
  - 5.3 Financial comparison**
  - 5.4 Industry Size & Outlook**

**Take a look at on #Street View**

<https://goo.gl/VstWkd>





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**Take a look at on #StreetView**

**<https://goo.gl/VstWkd>**

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# THANKYOU

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