

Investment Opportunities in  
**DCDA - Dicyandiamide**  
**(2-Cyanoguanidine)**

**Profitable Business Plan to Start in  
Active Pharma Ingredient (API)**



Dicyandiamide DCDA



# Introduction

Dicyandiamide may be a synonymous name for the dimer of Cyanamide, which itself is used broadly in industrial production of melamine or within the agricultural industry of chemical fertilizer. Due to heavy used of the dicyandiamide fertilizer in pasture and caused the pollution event of dicyandiamide residue in milk or dairy products. Because beverage source for animal in many pasture and dicyandiamide is stability in water. Therefore, people are got to concentrate to the dicyandiamide residues in water.

**Related Project: - [Dicyandiamide \(dcda\)](#)**



Dicyandiamide may be a strongly alkaline and water-soluble white crystalline compound with the scientific name of cyan guanidine. The chemical is that the dimer of cyan amide or cyan guanidine, which is especially utilized in the production of melamine. Dicyandiamide is additionally used as a curing agent for epoxy resins and laminates for circuit boards, powder coatings and adhesives.

**Projects: - [Project Reports & Profiles](#)**



## Uses and Applications

Dicyandiamide is an intermediate for melamine production and is the basic ingredient of amino plastics and resins. It is utilized in the assembly of a good range of organic chemicals including slow and continuous nitrogen release fertilizers, fireproofing agents, epoxy laminates for circuit boards, powder coatings and adhesives, water treatment chemicals, dye fixing, leather and rubber chemicals, explosives and pharmaceuticals. It is extensively used as a superb additive for plastic packages for food stuff and intermediates of pharmaceuticals.

**Related Projects:** - [Active Pharmaceutical Ingredient \(API\) Products, Bulk API Manufacturing](#)

Dicyanamide, also known as dicyanamine, is an anion having the formula  $C_2N_3^-$ . It contains two cyanide groups bound to a central nitrogen anion. The chemical is formed by decomposition of 2-cyanoguanidine. It is used extensively as a counter ion of organic and inorganic salts, and also as a reactant for the synthesis of various covalent organic structures.

Dicyanimide was used as an anionic component in an organic superconductor that was, when reported in 1990, a superconductor with the highest transition temperature in its structural class. Dean Kenyon has examined the role of this chemical in reactions that can produce peptides. A co-worker then considered this reactive nature and examined the possible role dicyanamide may have had in primordial biogenesis.

**Related Books: - [Pharmaceutical, Drugs, Proteins Technology Handbooks](#)**

Dicyandiamide is used as active pharmaceutical ingredient within the production of metformin on an outsized scale which helps within the improvement of glucose in diabetes patient. Dicyandiamide is used as intermediate during the manufacturing of flame retardants, fertilizers, coating, adhesives et al. currently manufacturers like better to use urea as raw materials for the production of melamine. Thanks to the supply of cost effective and better performing substitute are expected to hinder the expansion of dicyandiamide market. The event of nontoxic ultra-micronized dicyandiamide with improved performance for the assembly coatings, adhesives and others are expected to make new opportunities for dicyandiamide over the forecast period.

**Related Projects: - [Pharmaceutical, Drugs, Fine Chemicals, Bulk Drug Intermediates, Pharmaceutical Drugs](#)**

## Market Outlook

The dicyandiamide market is segmented into grades, application and region. The varied grades during this market are electronic grade, industrial grade and pharmaceutical grade. The industrial grade is probably going to realize a big growth within the coming years because of its extensive application in various industrial processes. The merchandise is used as an intermediate for several resins and organic nitrogen composites, like guanidine, guan amides, and biguanides. It's extensively utilized in the industry for the conversion process of melamine. Another application of commercial grade is its use within the paper industry as a flame-retardant additive.

**Related Videos:** - [Pharmaceutical, Drugs, Fine Chemicals, Bulk Drug Intermediates](#)

Dicyandiamide Market size should observe lucrative CAGR from 2019 to 2025 in the coming years due to developments in the water treatment industry. Dicyandiamide or cyan guanidine is a free-flowing white colored versatile chemical with diverse applications. Extensive use of the product in wastewater treatment plants as a decoloring agent or flocculating agent will drive the market in coming years. Growth in wastewater treatment industry in the European countries will have significant impact on the dicyandiamide market.

**Books: - [BOOKS & DATABASES](#)**





The region has more than 18,000 wastewater treatment plants in operation. As the region's major focus is sustainable development and to promote environment friendly products & techniques, the demand for dicyandiamide will rise in future. Moreover, the rising scarcity of clean water will lead to increasing water treatment facilities in emerging nations which will further boost the demand in the market.

Rising demand for anti-diabetic medicines because of increasing cases of diabetics across the planet and growing demand for adhesives & fertilizers is probably going to drive the market over the anticipated years.

**Related Project: - [Dicyandiamide \(dcda\)](#)**



Increasing use of dicyandiamide for epoxy & pharmaceutical laminates, and therefore the use of dicyandiamide as a curing agent in flame retardants, coatings, electronics, fertilizers, textiles, & adhesives are expected to fuel the market within the coming years. The utilization of the merchandise as a flocculating agent or decoloring agent in wastewater treatment plants and therefore the production of active pharmaceutical ingredients for the treatment of type 2 diabetes is predicted to spice up the market. On the opposite hand, the supply of substitutes of dicyandiamide at an inexpensive cost can act as a restraining factor for the market.

**Related Projects: - [Business Ideas after the Covid Breakdown](#)**



Dicyandiamide is primarily used as staple for production of active pharmaceutical ingredients so as to manufacture anti-diabetic medicines. It also used as a curing agent in epoxy resins and laminates circuit boards also as adhesives. The compound is additionally utilized in production of organic chemicals, which include, water treatment chemicals, slow and controlled nitrogen release fertilizers, dye fixing agents, and pharmaceuticals.

**Related Video: - [Business Ideas after the Covid Breakdown](#)**



## **Global Dicyandiamide Market: Growth Factors**

Massive product use within the manufacture of pharmaceutical ingredients is expected to spur dicyandiamide market growth trends over the coming decade. Aside from this, massive need for producing adhesives and fertilizers is predicted to lucratively leverage the expansion of dicyandiamide market within the years ahead. Additionally to the present, rise within the number of diabetics across the world has generated major demand for anti-diabetic medicines and this, in turn, will prompt the expansion of dicyandiamide market size within the years to return. Furthermore, use of the merchandise as a curing agent in coatings, fertilizers, flame retardants, adhesives, electronics, and textiles is anticipated to chart a profitable roadmap for dicyandiamide market within the next few years.

**Market Research: - [Market Research Report](#)**

However, the straightforward availability of product substitutes at reasonable costs will hinder the expansion of dicyandiamide market within the ensuing years. Nevertheless, extensive production of ultra-micronized grade dicyandiamide is foreseen to supply strong growth opportunities for the players in dicyandiamide market over the coming years. It is additionally utilized in the generation of organic chemicals, which incorporate, slow and controlled nitrogen release fertilizers, water treatment chemicals, pharmaceuticals, and dye fixing agents. Dicyandiamide are of varied evaluations in light of purity. Developing usage of dicyandiamide for pharmaceutical and epoxy laminates application is one among the main factors for the many development of the market. Moreover, the growing diabetic population across the world has created a requirement for anti-diabetic drugs, which is foreseen to drive demand for dicyandiamide over the forecast period. **Related Videos: - [Disposable Products](#)**

By grade segment, the pharmaceutical grade segment commanded the dicyandiamide market in 2018. Due to the growing usage of dicyandiamide for pharmaceutical and epoxy laminates application is one among the main factors for the expected increase in demand for dicyandiamide. As well, the rising diabetic populace over the world has made a requirement for anti-diabetic medications, which is predicted to drive interest for dicyandiamide amid the estimated time-frame. Region-wise, Asia Pacific is predicted to carry the most important market share within the dicyandiamide market, due to the rising product manufacturers during this region. An outsized number of small & medium-sized manufacturers in China and Japan have helped in occupying an interesting market share. Also, developments in end-use sectors like electronics, agriculture, textile, etc. are expected to boost the demand within the dicyandiamide market within the future.

**Related Project: - [Dicyandiamide \(dcda\)](#)**

## **Key Players:-**

Helm India Pvt. Ltd.

Lok Chemicals Pvt. Ltd.

Prakash Chemicals Agencies Pvt. Ltd.

Sanjay Chemicals (India) Pvt. Ltd.

Unicare Pharma Ltd.

# Machinery Photographs



**BAG FILLING &  
SEALING MACHINE**



**DRYER**





**FILTER**



**STORAGE TANK**

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	85.00	85.00	Capital	0.00	93.35	93.35
Buildings	0.00	107.00	107.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	50.00	50.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	30.00	30.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	10.00	10.00	Internal Cash			
Franchise & Other Deposits	0.00	0.00	0.00	Accruals	0.00	0.00	0.00
Preliminary & Pre-operative Exp	0.00	2.00	2.00	Long/Medium Term Borrowings	0.00	280.06	280.06
Provision for Contingencies	0.00	4.50	4.50	Debentures / Bonds Unsecured	0.00	0.00	0.00
Margin Money - Working Capital	0.00	74.92	74.92	Loans/Deposits	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>373.42</b>	<b>373.42</b>	<b>TOTAL</b>	<b>0.00</b>	<b>373.42</b>	<b>373.42</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	6.81	9.41	16.81	24.00	0.00	100.00	6.81	0.00	6.81	1.00	0.00
2-3	9.83	12.13	26.64	18.00	0.00	100.00	9.83	0.00	9.83	1.00	0.00
3-4	12.85	14.89	39.49	12.00	0.00	100.00	12.85	0.00	12.85	1.00	0.00
4-5	15.74	17.55	55.23	6.00	0.00	100.00	15.74	0.00	15.74	1.00	0.00
5-6	18.48	20.08	73.71	0.00	0.00	100.00	18.48	0.00	18.48	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumula tive	Overa ll					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.39	1.39		1.43	1.43	4.71		4.45%	2.60%	1.71%	413.29	11.09%	4.20	1.09
2-3	1.75	1.56		0.68	0.68	3.06		4.95%	3.29%	2.11%	482.16	11.09%	4.33	1.17
3-4	2.17	1.75	2.16	0.30	0.30	2.15		5.27%	3.80%	2.41%	551.04	11.09%	4.31	1.26
4-5	2.66	1.95		0.11	0.11	1.59		5.48%	4.15%	2.63%	619.92	11.09%	4.21	1.36
5-6	3.21	2.16		0.00	0.00	1.23		5.61%	4.39%	2.78%	688.80	11.09%	4.06	1.57

# Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
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Cash BEP (% of Installed Capacity)	58.24%
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Total BEP (% of Installed Capacity)	60.42%
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IRR, PAYBACK and FACR

Internal Rate of Return .. ( In %age )	29.42%
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Payback Period of the Project is ( In Years )	2 Years 3 Months
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Fixed Assets Coverage Ratio ( No. of times )	30.460
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# Major Queries/Questions Answered in the Report?

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

- 5. What is the structure of the Dicyandiamide (DCDA) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Dicyandiamide (DCDA) Manufacturing Business?**
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**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Dicyandiamide (DCDA) Manufacturing Business?**

**12. What is the Manufacturing Process of Dicyandiamide (DCDA) ?**



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

# Tags

**#Dicyandiamide**

**#DicyandiamideBusinessPlan**

**#DicyandiamideManufacturing**

**#DicyandiamideProduction**

**#DicyandiamideInvestment**

**#DicyandiamideMarket**

**#DicyandiamideBusienss #apimanufacturing #pharmaceuticalindustry**

**#chemicalindustry**

**#pharmaceuticalmanufacturing**

**#ActivePharmaceuticalIngredient**

**#api**

**#activepharmaceuticalingredient**



**#pharmaceutical**

**#ActivepharmaceuticalingredientMarket**

**#ActivePharmaceutical**

**#DCDAmanufacturing**

**#DCDA**

**#DetailedProjectReport #businessconsultant #feasibilityReport #NPCS**

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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.**

**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**

## ***NIIR PROJECT CONSULTANCY SERVICES***

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# **Niir PROJECT CONSULTANCY SERVICES**

**AN ISO 9001: 2015 CERTIFIED COMPANY**



## 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**

## Who do we Serve?

- 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

## Sectors We Cover

- 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



## **Sectors We Cover** *Cont...*

- 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

## Sectors We Cover *Cont...*

- 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
- Fibre Glass & Float Glass
- Fast Moving Consumer Goods
- Food, Bakery, Agro Processing

## Sectors We Cover *Cont...*

- Fruits & Vegetables Processing
- Ferro Alloys Based Projects
- Fertilizers & Biofertilizers
- Ginger & Ginger Based Projects
- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitability Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries

## Sectors We Cover

*Cont...*

- 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.

## Sectors We Cover *Cont...*

- 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.

## Sectors We Cover *Cont...*

- 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

## Sectors We Cover *Cont...*

- Township & Residential Complex
- Textiles And Readymade Garments
- Waste Management & Recycling
- Wood & Wood Products
- Water Industry(Packaged Drinking Water & Mineral Water)
- Wire & Cable



# MARKET RESEARCH REPORTS



## 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

## Objective

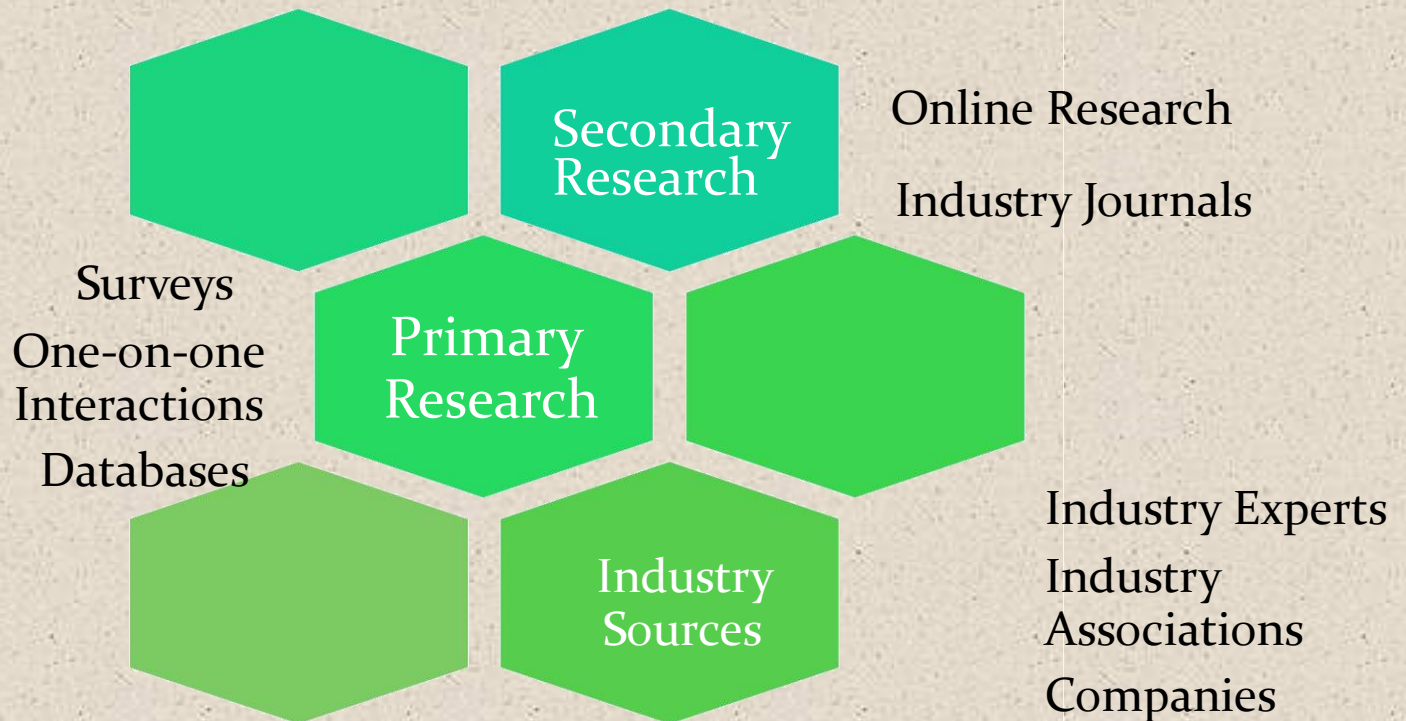
- ⌘ To provide forecasts of key parameters which helps to anticipate the industry performance
- ⌘ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ⌘ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ⌘ To evaluate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

## **Clientele**

- ∞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

# Structure of the Report

*Cont*

- ⌘5. Key Financials and Analysis
  - ⌘5.1 Contact Information
  - ⌘5.2 Key Financials
  - ⌘5.3 Financial comparison
- ⌘6. Industry Size & Outlook



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# Thank You

**For more information, visit us at:**

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