

# Microcrystalline Cellulose (MCC) Manufacturing Industry.

## Production of Pharmaceutical

## Grade Microcrystalline Cellulose

*Microcrystalline Cellulose Market Projected to  
Reach 1540 Million US\$ by 2025, at a CAGR  
of 6.3%*



# Introduction

**Microcrystalline cellulose  $(C_6H_{10}O_5)_n$  is refined wood pulp. It is a white, free-flowing powder. Chemically, it is an inert substance, is not degraded during digestion and has no appreciable absorption. In large quantities it provides dietary bulk and may lead to a laxative effect.**



**Microcrystalline Cellulose (MCC) is a partially depolymerized specialty cellulose prepared by treating  $\alpha$ -cellulose. MCC is widely used in pharmaceutical, food & beverage, cosmetic and other industrial applications, owing to its broad spectrum of properties. MCC is used as a suspension stabilizer and an excipient, owing to its chemical inertness and non-toxic nature.**

**Microcrystalline cellulose (MCC) is a free-flowing crystalline powder (a non-fibrous microparticle). It is insoluble in water, dilute acids and most organic solvents, but slightly soluble in the alkali solution of 20%. It has a wide range of uses in the pharmaceutical excipients and can be directly used for tableting of dry powder. It is widely used as pharmaceutical excipients, flow aids, fillers, disintegrating agents, anti-sticking agents, adsorbents, and capsule diluents.**

**Microcrystalline cellulose is widely used in pharmaceuticals, primarily as a binder/diluent in oral tablet and capsule formulations where it is used in both wet-granulation and direct-compression processes.**

**In addition, wide ranges of chemical, technical, and economic merits are attached with its utilization. It has found its applications in the cosmetics & personal care industry, as well as in the food sector. When it comes to food production, it acts as an anti-caking agent, a fat substitute, an emulsifier, an extender, as well as a bulking agent.**



**And as far as the beverage sector is concerned, it acts as a gelling agent, stabilizer, anti-caking agents and suspending agents. It is widely employed as a fat substitute, thickener, binder in cosmetics industry. Besides all that, it has applications in the pharmaceutical industry as it displays chemical inertness and deficiency of taste and aroma. As an excipient, it is utilized in almost every type of oral dosage entailing pellets, tablets, capsules, sachets, and others.**



# **Market Outlook**

**The MCC market is projected to grow from USD 885.1 million in 2018 to USD 1,241.4 million by 2023, at a CAGR of 7.0% between 2018 and 2023.**

**Microcrystalline cellulose is a partially depolymerized cellulose in pure form, which is synthesized from -cellulose precursor. There are several ways to synthesize microcrystalline cellulose such as reactive extrusion, acid hydrolysis, steam explosion and enzyme mediated synthesis. Microcrystalline cellulose has large scale applications in the pharmaceutical, food & beverage, and personal care industries. In the food & beverage industry, microcrystalline cellulose is added to the processed food to create a creamy and smooth mouth feel. This is mostly used to prepare low-fat dairy products such as frozen yogurt, whipped cream, and ice cream. In the pharmaceutical industry, it is used as fillers, disintegrating agents, anti-sticking agents, adsorbents, and capsule diluents.**

# Global Microcrystalline Cellulose Market Share (%), By Application (2018)

CAGR of 4.7% (2018-2028)

0% 10% 20% 30% 40%



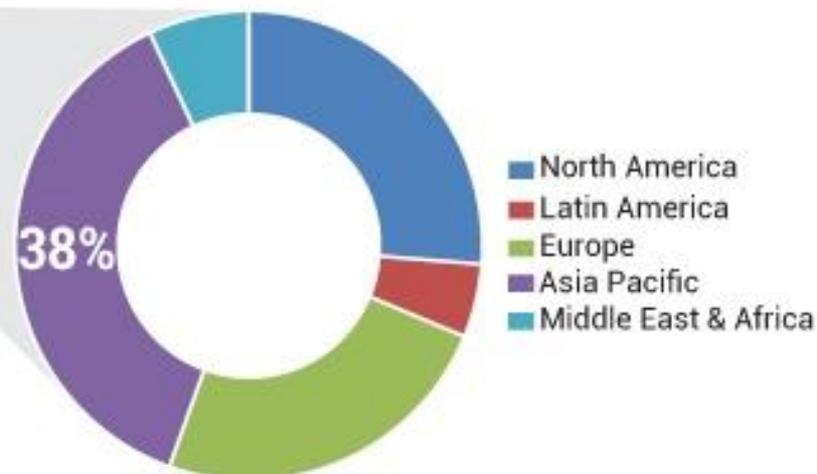
Food & Beverages

Pharmaceuticals

Cosmetics & Personal Care

Paints & Coatings

Others



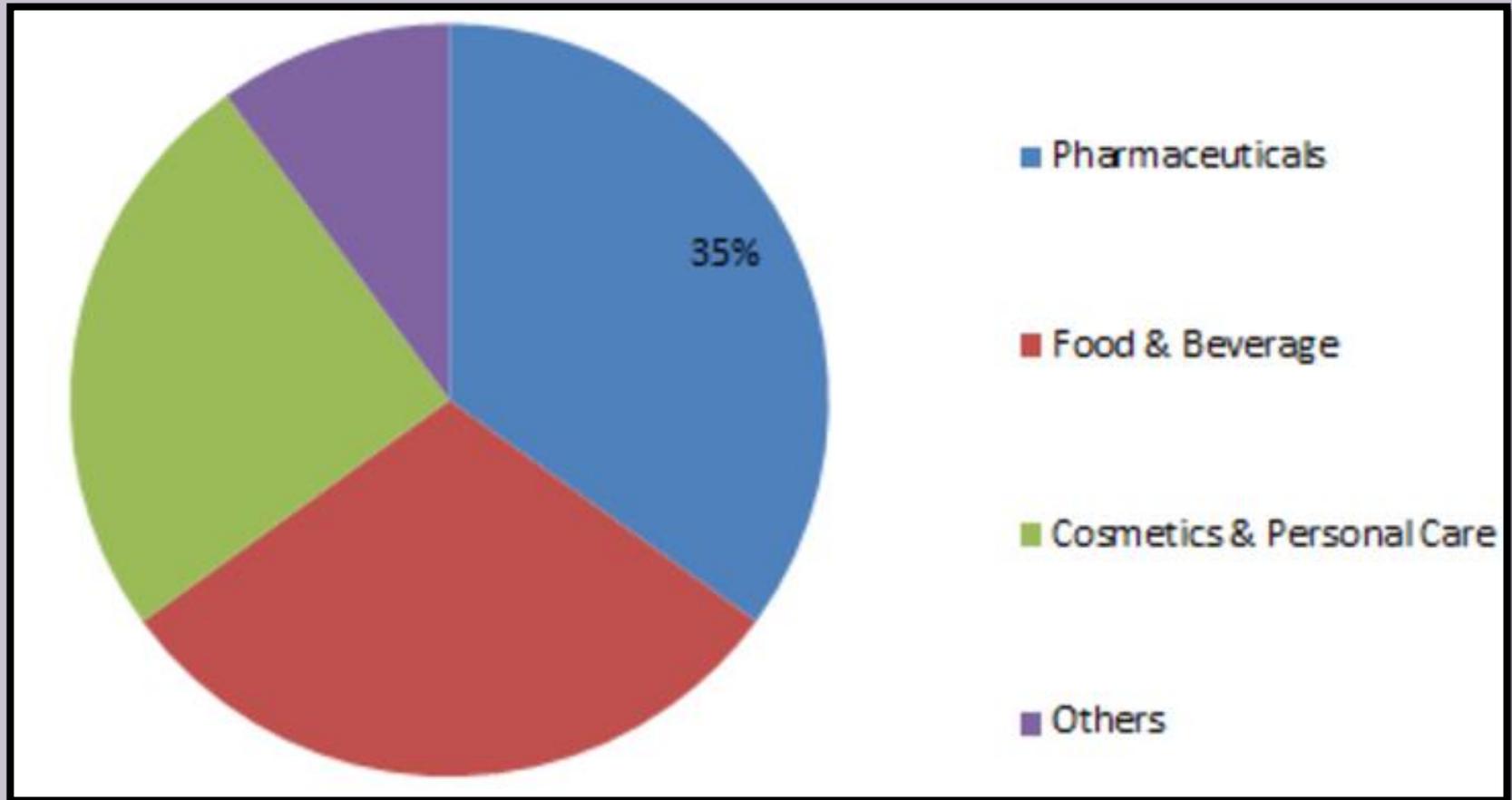
North America  
Latin America  
Europe  
Asia Pacific  
Middle East & Africa

**Increasing application of microcrystalline cellulose in various industries is a major factor propelling growth of the global microcrystalline cellulose market. For instance, microcrystalline cellulose is used as stabilizer, gelling agent, suspending agent, and anti-caking agent in beverages. It is also used as a cold and hot stabilizer, in frozen food, ice cream, and canned meat, in order to improve the shelf life of the product. Furthermore, MCC (Microcrystalline Cellulose) is widely used in pharmaceuticals, owing to its tasteless, odor less, and chemical inertness properties. The steadily growing pharmaceutical industry is expected to support the market growth of microcrystalline cellulose over the forecast period. However, high production cost along with low production yield are major factors hampering growth of the market.**

**Rapid growth in the food & beverage industry and increasing demand for low-fat processed food is expected to favor the market growth during the forecast period. The rising demand for the low-fat packaged food products in developing economies due to the globalization and health-conscious consumers has fuelled the market growth. Packaged and processed food products need to be kept fresh for a longer period, for which the bulking, texturizing, and the anti-caking agents are required. These properties of microcrystalline cellulose are the key drivers of the market growth.**



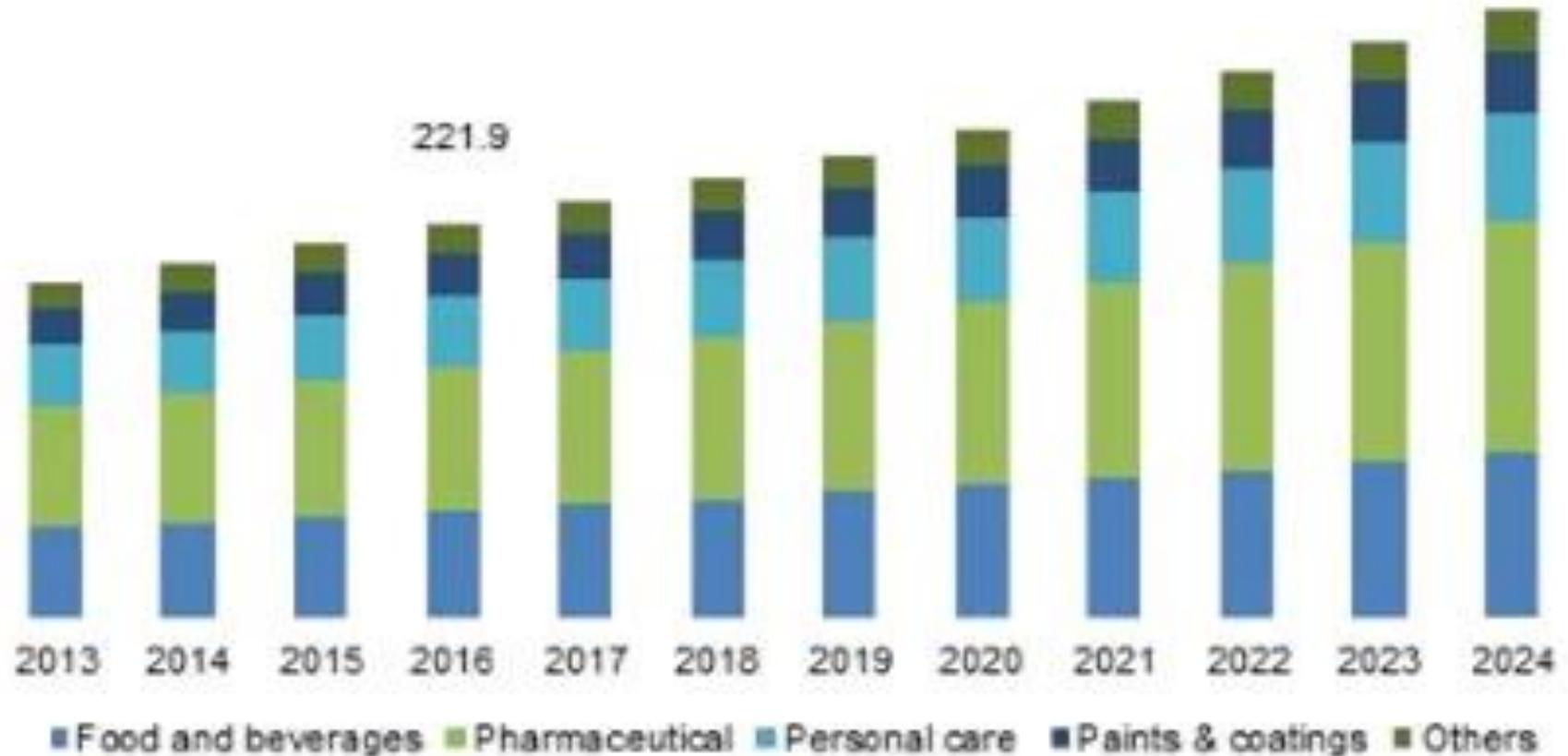
# Global Microcrystalline Cellulose Market Share, by End-Use Industry (%)



**MCC acts as a filler, binder, disintegrant, suspending agent, lubricant, and glidant in pharmaceutical manufacturing. It is used in the direct compression method as it reduces the production cost. MCC is a vital component that is used in every form of oral dosage, which includes pellets, capsules, tablets, sachets, and others.**



# U.S. Microcrystalline Cellulose Market Size, By End user, 2013-2024 (USD Million)



**Some of the key players operating in the MCC market are Mingtai Chemical Co., Ltd., Asahi Kasei Corporation, J. Rettenmaier & Söhne GmbH + Co KG, Blanver Farmoquímica LTDA, Accent Microcell Pvt. Ltd., FMC Corporation, Juku Orchem Private Limited, DFE Pharma GmbH & Co. KG, Libraw Pharma, Sigachi Industrial Pvt. Ltd., and Avantor Performance Materials, Inc.**



# Machinery Photographs



**Reactors**



**Centrifuge**



**Tray Dryer**



**Forklift**

# Project at a Glance

## PROJECT AT A GLANCE

(USD in Thousands)

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	50.00	50.00	Capital	0.00	99.03	99.03
Buildings	0.00	115.90	115.90	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	105.60	105.60	Other Type Share	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Capital	0.00	0.00	0.00
Office Automation Equipments	0.00	35.50	35.50	Reserves & Surplus	0.00	0.00	0.00
Technical Knowhow	0.00	8.00	8.00	Cash Subsidy	0.00	0.00	0.00
Fees & Exp.	0.00	8.00	8.00	Internal Cash	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Accruals	0.00	0.00	0.00
Preliminary & Pre-operative Exp	0.00	4.00	4.00	Long/Medium Term Borrowings	0.00	297.09	297.09
Provision for Contingencies	0.00	9.66	9.66	Debentures / Bonds	0.00	0.00	0.00
Margin Money - Working Capital	0.00	57.46	57.46	Unsecured Loans/Deposits	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>	<b>396.12</b>	<b>396.12</b>	<b>TOTAL</b>	<b>0.00</b>	<b>396.12</b>	<b>396.12</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			No. of Times			
	USD	USD	USD	USD	USD	%	USD	%	USD	%	
1-2	344.41	698.65	354.41	2400.00	0.00	100.00	344.41	0.00	344.41	1.00	0.00
2-3	826.00	1135.19	1180.40	1800.00	0.00	100.00	826.00	0.00	826.00	1.00	0.00
3-4	1268.06	1538.43	2448.46	1200.00	0.00	100.00	1268.06	0.00	1268.06	1.00	0.00
4-5	1661.05	1897.92	4109.52	600.00	0.00	100.00	1661.05	0.00	1661.05	1.00	0.00
5-6	1999.05	2206.94	6108.57	0.00	0.00	100.00	1999.05	0.00	1999.05	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 Wort h	Profitability Ratio					Assets Turno ver Ratio	Curre nt Ratio
	Individ ual	Cumula tive	Overa ll					GPM	PBT	PAT	Net Contri butio n	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.11	1.11		1.79	1.79	2.94		9.84 %	3.40%	2.46%	848.2 1	61.20 %	2.68	1.04
2-3	1.62	1.35		0.83	0.83	1.65		13.25 %	7.75%	5.06%	984.9 1	60.91 %	2.87	1.26
3-4	2.19	1.61	2.13	0.35	0.35	0.93		15.41 %	10.62%	6.80%	1125. 50	60.90 %	2.83	1.60
4-5	2.81	1.87		0.12	0.12	0.56		16.71 %	12.47%	7.91%	1266. 09	60.90 %	2.66	2.01
5-6	3.49	2.13		0.00	0.00	0.35		17.39 %	13.55%	8.57%	1406. 68	60.90 %	2.45	3.05

# Project at a Glance

## **BEP**

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	76.24%
Total BEP (% of Installed Capacity)	77.70%
<b>IRR, PAYBACK and FACR</b>	
Internal Rate of Return .. ( In %age )	28.61%
Payback Period of the Project is ( In Years )	2 Years 4 Months
Fixed Assets Coverage Ratio ( No. of times )	11.104

# Major Queries/Questions Answered in the Report?

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

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

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Microcrystalline Cellulose Manufacturing plant ?**

**10. What are the requirements of raw material for setting up Microcrystalline Cellulose Manufacturing plant ?**

**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Microcrystalline Cellulose Manufacturing Business?**

**12. What is the Manufacturing Process of Microcrystalline Cellulose?**

- 13. What is the total size of land required for setting up Microcrystalline Cellulose Manufacturing plant ?**
- 14. What will be the income and expenditures for Microcrystalline Cellulose Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Microcrystalline Cellulose Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Microcrystalline Cellulose Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Microcrystalline Cellulose Manufacturing Business?**

**18. What are the Personnel (Manpower) Requirements for setting up Microcrystalline Cellulose Manufacturing Business?**

**19. What are Statistics of Import & Export for Microcrystalline Cellulose?**

**20. What is the time required to break-even of Microcrystalline Cellulose Manufacturing Business?**

**21. What is the Break-Even Analysis of Microcrystalline Cellulose Manufacturing plant?**

**22. What are the Project financials of Microcrystalline Cellulose Manufacturing Business?**

- 23. What are the Profitability Ratios of Microcrystalline Cellulose Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Microcrystalline Cellulose Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Microcrystalline Cellulose Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Microcrystalline Cellulose Manufacturing project?**

**27. What are the Market Opportunities for setting up Microcrystalline Cellulose Manufacturing plant?**

**28. What is the Market Study and Assessment for setting up Microcrystalline Cellulose Manufacturing Business?**

**29. What is the Plant Layout for setting up Microcrystalline Cellulose Manufacturing Business?**

# Table of Contents of the Project Report

## **1. PROJECT LOCATION**

### 1.1. COUNTRY PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. History
- 1.1.3. Land and Geography
- 1.1.4. Map
- 1.1.5. The Nile Valley and Delta
- 1.1.6. Drainage
- 1.1.7. Soils
- 1.1.8. Climate
- 1.1.9. Languages
- 1.1.10. Demographic
- 1.1.11. Economy
- 1.1.12. Agriculture
- 1.1.13. Resources and Power
- 1.1.14. Health and Welfare
- 1.1.15. Education
- 1.1.16. Transportation

## **2. INTRODUCTION**

- 2.1. STRUCTURE

## **3. USES & APPLICATIONS**

- 3.1. USES
- 3.2. APPLICATION

#### **4. ADVANTAGES**

#### **5. PRODUCT DETAIL**

#### **6. MARKET SURVEY**

#### **7. EXPORT & IMPORT: ALL COUNTRIES**

- 7.1. EXPORT: ALL COUNTRIES
- 7.2. IMPORT: ALL COUNTRIES

#### **8. MANUFACTURING PROCESS**

- 8.1. RAW MATERIALS
- 8.2. PROCESS DETAILS

#### **9. PROCESS FLOW DIAGRAM**

#### **10. DRUG PRODUCT QUALITY**

## **11.UNDERSTANDING EXCIPIENT VARIABILITY AND PERFORMANCE**

## **12.POTENTIAL CRITICAL MATERIAL ATTRIBUTES OF MICROCRYSTALLINE CELLULOSE**

- 12.1. MOISTURE CONTENT
- 12.2. PARTICLE SIZE
- 12.3. PARTICLE MORPHOLOGY
- 12.4. BULK DENSITY
- 12.5. SPECIFIC SURFACE AREA
- 12.6. DEGREE OF POLYMERIZATION
- 12.7. CRYSTALLINITY

## **13.SUPPLIERS OF PLANT & MACHINERY**

## **14.SUPPLIERS OF RAW MATERIAL**

## **15. PHOTOGRAPHS/IMAGES FOR REFERENCE**

- 15.1. MACHINERY PHOTOGRAPHS
- 15.2. RAW MATERIAL PHOTOGRAPHS
- 15.3. PRODUCT PHOTOGRAPHS

## **16. PLANT LAYOUT**

# *Project Financials*

<b>Project at a Glance</b>	<b>Annexure</b>
• Assumptions for Profitability workings .....	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
  - Indigenous Machineries**
  - Other Machineries (Miscellaneous, Laboratory etc.)**
  
- **Other Fixed Assets.....6**
  - Furniture & Fixtures**
  - Pre-operative and Preliminary Expenses**
  - Technical Knowhow**
  - Provision of Contingencies**
  
- **Working Capital Requirement Per Month.....7**
  - Raw Material**
  - Packing Material**
  - Lab & ETP Chemical Cost**
  - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**  
  - Utilities & Overheads (Power, Water and Fuel Expenses etc.)**
  - Royalty and Other Charges**
  - Selling and Distribution Expenses**
  
- **Salary and Wages .....9**
  
- **Turnover Per Annum .....10**
  
- **Share Capital.....11**  
  - Equity Capital**
  - Preference Share Capital**



- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
  - **Revenue/Income/Realisation**
  - **Expenses/Cost of Products/Services/Items**
  - **Gross Profit**
  - **Financial Charges**
  - **Total Cost of Sales**
  - **Net Profit After Taxes**
  - **Net Cash Accruals**

• **Annexure 3 :: Assessment of Working Capital requirements**

- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- **Working Note for Calculation of Work-in-process**

• **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

• **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

• **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

- **Annexure 12 :: Shareholding Pattern and Stake Status**

- **Equity Capital**

- **Preference Share Capital**

- **Annexure 13 :: Quantitative Details-Output/Sales/Stocks**

- **Determined Capacity P.A of Products/Services**

- **Achievable Efficiency/Yield % of Products/Services/Items**

- **Net Usable Load/Capacity of Products/Services/Items**

- **Expected Sales/ Revenue/ Income of Products/ Services/ Items**

- **Annexure 14** :: **Product wise Domestic Sales Realisation**
- **Annexure 15** :: **Total Raw Material Cost**
- **Annexure 16** :: **Raw Material Cost per unit**
- **Annexure 17** :: **Total Lab & ETP Chemical Cost**
- **Annexure 18** :: **Consumables, Store etc.**
- **Annexure 19** :: **Packing Material Cost**
- **Annexure 20** :: **Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance Expenses**
- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**

- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**

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

# Tags

#Production\_of\_Microcrystalline\_Cellulose, #Microcrystalline\_Cellulose\_(MCC),  
#Manufacturing\_Process\_for\_Microcrystalline\_Cellulose\_(MCC), How is  
Microcrystalline Cellulose made? Microcrystalline Cellulose Plant, Process for  
Producing Microcrystalline Cellulose,  
#Microcrystalline\_Cellulose\_(MCC)\_Production, Microcrystalline Cellulose  
Manufacturing Process, Preparation and Characterization of Microcrystalline  
Cellulose (MCC), #Processing\_of\_Pharmaceutical\_Grade\_Microcrystalline\_Cellulose,  
Preparation of Microcrystalline Cellulose, Microcrystalline Cellulose, Manufacture of  
Microcrystalline Cellulose, Microcrystalline Cellulose Manufacturing Plant,  
Microcrystalline Cellulose Production,  
#Project\_Report\_on\_Microcrystalline\_Cellulose\_Manufacturing\_Industry, Detailed  
Project Report on Microcrystalline Cellulose (MCC) Production, Project Report on  
Microcrystalline Cellulose (MCC) Production,  
#Pre\_Investment\_Feasibility\_Study\_on\_Microcrystalline\_Cellulose\_(MCC)\_Productio  
n, Techno-Economic feasibility study on Microcrystalline Cellulose (MCC)  
Production, #Feasibility\_report\_on\_Microcrystalline\_Cellulose\_(MCC)\_Production,  
#Free\_Project\_Profile\_on\_Microcrystalline\_Cellulose\_(MCC)\_Production, Project  
profile on Microcrystalline Cellulose (MCC) Production, Download free project profile  
on Microcrystalline Cellulose (MCC) Production,  
#Microcrystalline\_Cellulose\_(MCC)\_Industry, How to Make Microcrystalline  
Cellulose

**Niir Project Consultancy Services (NPCS)  
can provide Detailed Project Report on  
Microcrystalline Cellulose (MCC)  
Manufacturing Industry.**

**Production of Pharmaceutical Grade  
Microcrystalline Cellulose**

*Microcrystalline Cellulose Market Projected to Reach  
1540 Million US\$ by 2025, at a CAGR of 6.3%*

**See more**

<https://goo.gl/bLtF8h>

<https://goo.gl/LaJZ8Q>



*Visit us at*

[www.entrepreneurindia.co](http://www.entrepreneurindia.co)



[www.entrepreneurindia.co](http://www.entrepreneurindia.co)

**Take a look at  
Niir Project Consultancy Services  
on #Street View**

<https://goo.gl/VstWkd>

*Locate us on  
Google Maps*

<https://goo.gl/maps/BKkUtq9gevT2>

## OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

**Click here to take a look**  
**<https://goo.gl/G3ICjV>**

# **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](#)**



# Download Complete List of Project

## Reports:

### ▪ 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,**



**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**

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : [www.entrepreneurindia.co](http://www.entrepreneurindia.co) , [www.niir.org](http://www.niir.org)

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



# **Niir PROJECT CONSULTANCY SERVICES**

**An ISO 9001:2015 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**

# Contact us

## NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,  
New Delhi-110007, India.

Email: [npcs.ei@gmail.com](mailto:npcs.ei@gmail.com) , [info@entrepreneurindia.co](mailto:info@entrepreneurindia.co)

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : [www.entrepreneurindia.co](http://www.entrepreneurindia.co) , [www.niir.org](http://www.niir.org)

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



# Follow us



➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ <https://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ [https://twitter.com/npcs\\_in](https://twitter.com/npcs_in)



➤ <https://www.pinterest.com/npcsindia/>





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

[www.niir.org](http://www.niir.org)

[www.entrepreneurindia.co](http://www.entrepreneurindia.co)