Investment **Opportunities** in Pregelatinized Starch. Start your own industry in Maize Starch & Derivatives.

122

www.entrepreneurindia.co



Y-1562

Introduction

Pregelatinized <u>starch</u> is highly digestible starch derived from corn, <u>potato</u>, and arrowroot and <u>wheat flour</u>. Pregelatinized starch is pre-cooked, dried, and ground for use in various industries. Pregelatinized starch is obtained in flake and powder form which allow products to develop viscosity. Pregelatinized starch is used in products such as <u>baby foods</u>, soups, and baked goods. The pregelatinized starch market is further segmented on the basis of source as corn, potato, and arrowroot and wheat flour. Corn starch is major source of pregelatinized starch used in <u>food industry</u> as a thickening agent or binder.



Potato starch and wheat flour are used in instant soups and noodles as an ingredients for additional nutrition and thickening agent.

- Pregelatinized starch is used in products such as baby foods, soups, and baked goods.
- Pregelatinized starch act as an excipients in food and <u>pharmaceutical</u> <u>industry</u>.
- Pregelatinized starch absorbs <u>water</u> quickly which helps in easy digestion therefore it is used as disintegrant.





Pregelatinized starch greatly endues the compressibility as well as improves the fluidity of the tablets. Pregelatinized starch is widely used in <u>pharmaceutical</u> because it is bland, order less and capable of digestion. Excellent flow properties and bulk density allow homogenous filling of capsules.

Related projects: - Maize, Corn and its By Products





Part of pregelatinized starch, amylose maintained part of the slurry prepared by gel procedure, integrating both elements of the partly open launch of amylopectin starch grains to attain inner bonding impact, as well as is not gelatinized starch grains within the amylose has solid fragmentation impact, making some at the same time, pregelatinized starch fluidness and also compressibility, with glue and also fragmentation of two features. By managing the gelling procedure and also gel proportion of starch, starch can acquire various excipients bond as well as fragmentation buildings. Due to the rigorous control of the pregelatinized price, the attachment and also fragmentation residential or commercial properties is fairly steady, the price is less than PVP and also HPMC





Advantages:-

1) pharmaceutical grade pregelatinized starch is widely used as a binding and disintegrating agent for tablets, pills and granules, also used as filler for capsules.

- 2) Best as dry binder, increase tablet hardness, Decrease tablet friability.
- 3) Its self-lubricating property eliminates any negative effect on dissolution.
- 4) Superior flow properties ideal for direct compression tableting.





Market outlook

The pregelatinized starch market is segmented on the basis of application in industries such as <u>food industry</u>, <u>cosmetic industry</u>, pharmaceutical industry etc. In food industry, pregelatinized starch is used as food thickener or stabilizer in food products such as instant puddings, soup mixes, pie fillings salad dressing, candy etc., thus growth of food and beverage industry is driving market demand for pregelatinized starch. Pregelatinized starch have applications in food industry such as in baby food, <u>bakery</u>, confectionary, <u>dairy</u> desserts and drinks, frozen foods, functional drinks, powdered foods, sauces etc.



In <u>cosmetics industry</u>, pregelatinized starch is used as an additive ingredient in cosmetic products, increasing demand for cosmetics product is fueling demand for pregelatinized starch, and cosmetics market segment is expected to grow significantly. In pharmaceutical industry, pregelatinized starch is used as capsule and tablet diluent, capsule disintegrant, binder and a glidant which allows starch to absorb water easily allowing tablets to disintegrate properly.





The pregelatinized starch market is further segmented on the basis of source as corn, potato, and arrowroot and wheat flour. Corn starch is major source of pregelatinized starch used in food industry as a thickening agent or binder. Potato starch and wheat flour are used in instant soups and noodles as an ingredients for additional nutrition and thickening agent. Thus demand from base applications is expected to grow at significantly and global market for pregelatinized starch market is expected to grow.



Cosmetic industries are establishing in Europe region which is expected to give boost for demand of pregelatinized starch in global market. Increasing use of pregelatinized starch in pharmaceutical industry is growing therefore gaining interest in global market. Pregelatinized starch in various industries such as food industry, cosmetic industry, <u>pharmaceutical</u> industry etc. is fueling demand for pregelatinized starch in global market. Pregelatinized starch is used in cosmetic as an additive ingredient which is driving market demand for pregelatinized starch in global market. Pregelatinized starch is used in preparation of tablets as binding agent or tablet diluent makes it popular in pharmaceutical manufacturers in turn fueling growth of pregelatinized starch market. Easy availability of corn starch, wheat flour, <u>potato</u> starch is as raw material is reason for increased consumption and production of pregelatinized starch in consumers on daily basis.



Technology:-

- Pregelatinized Starch.
- > Partially Pregelatinized Maize Starch.
- ≻ Starch 1500.
- > A Novel Pregelatinized Starch as a Sustained-Release Matrix Excipient.





Application:-

- Baby Food
- Bakery
- Calorie / Sugar Reduction
- Confectionery
- Dairy Desserts
- Dairy Drinks
- Frozen Foods
- Functional Drinks
- Powdered Foods
- Sauces



Key Players:-

- Cargill Incorporated
- ≻ Tate & Lyle
- Visco Starch
- ➢ Galam
- Grain Processing Corporation
- ➢ S A Pharmachem Pvt Ltd
- Banpong Tapioca Flour Industrial Co Ltd
- Crest Cellulose
- DFE Pharma
- Karandikars Cashell Private Limited etc



Major Queries/Questions Answered in the Report?

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



5. What is the structure of the Pregelatinized Starch Manufacturing Business and who are the key/major players ?

- 6. What is the total project cost for setting up Pregelatinized Starch Manufacturing Business?
- 7. What are the operating costs for setting up Pregelatinized Starch Manufacturing plant ?
- 8. What are the machinery and equipment requirements for setting up Pregelatinized Starch Manufacturing plant ?



9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Pregelatinized Starch Manufacturing plant?

- 10. What are the requirements of raw material for setting up Pregelatinized Starch Manufacturing plant ?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Pregelatinized Starch Manufacturing Business?
- 12. What is the Manufacturing Process of Pregelatinized Starch?



13. What is the total size of land required for setting up Pregelatinized Starch Manufacturing plant ?

14. What will be the income and expenditures for Pregelatinized Starch Manufacturing Business?

15. What are the Projected Balance Sheets of Pregelatinized Starch Manufacturing plant ?

16. What are the requirement of utilities and overheads for setting up Pregelatinized Starch Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Pregelatinized Starch Manufacturing Business?



18. What are the Personnel (Manpower) Requirements for setting up Pregelatinized Starch Manufacturing Business?

19. What are Statistics of Import & Export for Pregelatinized Starch?

20. What is the time required to break-even of Pregelatinized Starch Manufacturing Business?

21.What is the Break-Even Analysis of Pregelatinized Starch Manufacturing plant?

22.What are the Project financials of Pregelatinized Starch Manufacturing Business?



23. What are the Profitability Ratios of Pregelatinized Starch Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Pregelatinized Starch Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Pregelatinized Starch Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Pregelatinized Starch Manufacturing project?



27. What are the Market Opportunities for setting up Pregelatinized Starch Manufacturing plant?

28. What is the Market Study and Assessment for setting up Pregelatinized Starch Manufacturing Business?

29. What is the Plant Layout for setting up Pregelatinized Starch Manufacturing Business?



Table of Contentsof theProject Report



Our Detailed Project Report contains

- Introduction
- Properties
- Uses & Applications
- List of Plant & Machineries
- Miscellaneous Items and Accessories
- Instruments, Laboratory Equipments and Accessories
- Electrification, Electric Load and Water
- Maintenance, Suppliers/Manufacturers of Plant and Machineries
- Process of Manufacture
- Flow Sheet Diagram
- List of Raw Materials
- Availability of Raw Materials
- Requirement of Staff & Labour
- Skilled & Unskilled Labour
- Requirement of Land Area
- Built up Area
- Plant Layout.



> Along with financial details as under:

Assumptions for Profitability workings

- Plant Economics
- Production Schedule
- Land & Building
- Factory Land & Building
- Site Development Expenses

Plant & Machinery

- Indigenous Machineries
- Other Machineries (Miscellaneous, Laboratory etc.)

Other Fixed Assets

- Furniture & Fixtures
- Pre-operative and Preliminary Expenses
- Technical Knowhow
- Provision of Contingencies



Working Capital Requirement Per Month

- Raw Material
- Packing Material
- Lab & ETP Chemical Cost
- Consumable Store

Overheads Required Per Month And Per Annum

- Utilities & Overheads (Power, Water and Fuel Expenses etc.)
- Royalty and Other Charges
- Selling and Distribution Expenses
- Salary and Wages
- Turnover Per Annum
- Share Capital
- 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-Var./Semi-Fixed Exp.
- 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 Exp.

Annexure 26 :: Other Mfg. 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



Project Financials

•	Project at a Glance	Annexure
•	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.) 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**



- Salary and Wages9
- Turnover Per Annum10
- 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 ::
- Annexure 17
- Annexure 18
- Annexure 19

- Raw Material Cost per unit
- **Total Lab & ETP Chemical Cost**
- **::** Consumables, Store etc.
 - Packing Material Cost
- Annexure 20 :: Packing Material Cost Per Unit



- Annexure 21
- Annexure 22 ::
- Annexure 23
- Annexure 24
- Annexure 25
- Annexure 26
- Annexure 27
- Annexure 28

- **::** Employees Expenses
 - : Fuel Expenses

::

::

•••

::

::

- **Power/Electricity Expenses**
- **Royalty & Other Charges**
 - **Repairs & Maintenance Expenses**
 - **Other Manufacturing Expenses**
- Administration Expenses
- :: 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 Pregelatinized Starch." provides an insight into Pregelatinized Starch market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Pregelatinized Starch project. The report assesses the market sizing and growth of the Indian Pregelatinized Starch 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 Pregelatinized Starch sector in India along with its business prospects. Through this report we have identified Pregelatinized Starch project as a lucrative investment avenue.



Tags

#projectreport#DetailedProjectReport#businessconsultant#businessfeasibilityreport#BusinessPlan#Pregelatinized#starch#MarketResearchReport#ChemicalManufacturing#ChemicalIndustry#startyourbusiness#businessideas#entrepreneur#startupidea#startyourbusiness#StartupProject#Entrepreneurship



Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on **Investment Opportunities in** <u>Pregelatinized Starch.</u>

Start Your Own Industry in Maize Starch & Derivatives.

See more Project Reports & Profiles BOOKS







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......<u>Read more</u>



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......<u>Read more</u>



Contact us

NIIR PROJECT CONSULTANCY SERVICES

- 106-E, Kamla Nagar, Opp. Spark Mall,
- New Delhi-110007, India.
- Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>
- Tel: +91-11-23843955, 23845654, 23845886, 8800733955
- Mobile: +91-9811043595
- Fax: +91-11-23845886
- Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>
- Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd





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: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>

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

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd







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



<u>https://www.facebook.com/NIIR.ORG</u>



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



><u>https://twitter.com/npcs_in</u>

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





