



Y-1692

Production of Wheat Starch and Gluten Manufacturing Business Plan & Investment Opportunity for Startups

WHEAT STARCH



www.entrepreneurin



www.niir.org

Introduction

Wheat gluten and wheat starch are economically important co-products produced during wet processing of wheat flour. Wheat gluten may be a commodity food ingredient, and its applications are predominantly in baked goods and processed meat products. Gluten is proteins of the wheat. Gluten forms long molecules insoluble in water. This provides dough its characteristic texture and permits breads and cakes to rise because the CO₂ released by the yeast is trapped within the gluten superstructure.

Related Projects:- [Food Processing and Agriculture Based Projects, Snack Food, Frozen Food, Agro Processing Technology, Processed Food, Instant Food, Food Industry, Food Preservation, Canned Food, Packed Food, Ready to Eat Food, Cereal Food, Pickle, Spices, Grain Milling](#)

Gluten is particularly important within the manufacture of starch from wheat because gluten may be a most beneficial by-product representing half the turnover. Actually the starch is by some manufacturers considered the by-product and gluten the most product.

Wheat starch is produced from wheat species such as *triticum aestivum*, which is additionally referred to as bread wheat. Starch is one among the most carbohydrate in wheat which comprises of around 60-75% of grain and around 70-80% of flour. Amount of starch obtained from wheat is almost 7% as compared with other sources of starch such as cassava (12%), potato (4%), others (0.5%), and maize (77%). Wheat starch contains carbohydrates, lipids, and proteins. Wheat starch is obtained from wheat wet milling process. Commercially, wheat starch is produced by processes such as dough-washing, batter, or hydro clone or dough-batter process.

Related Books:- [Starch & Its Derivatives](#)

Dough-washing process consists of washing of the dough for separating gluten and starch. Around 75-80% of starch is present in flour, while 5-10% of the starch obtained is second grade starch which consists of small granules, proteins, and pentoses. In hydro clone process, the starch is separated from gluten by using battery of hydro clones. High disintegration process is that the highly used process for wheat starch extraction. The high pressure shearing frees starch granules from proteins and disperses throughout the slurry. Wheat starch is non-gluten, non-GMO (genetically modified organisms) and non-allergenic ingredient and is very preferred by consumers which are gluten intolerant.

Related Videos: - [Agro-Food Processing Industries](#)



Application

When used in food, wheat starch assists with texture, viscosity, gel formation, adhesion, binding, moisture retention and can be used as a fat substitute. It also works as an emulsifier, stabilizer and a clouding or glazing agent.⁴ However, its primary use in the food industry is a thickening agent.

There are two types of wheat starches commonly used:

Native Starch, or the original form of starch powder extracted from plants. Starch in its pure form is a white, tasteless, odorless powder that is insoluble in cold water or alcohol. It's used to thicken and stabilize many custards, desserts, sauces, and instant foods.

Related Books:- [Agriculture, Agro Based, Bakery, Wood, Ice Cream, Chocolate Cereal Food, Confectionery, Dairy, Farming, Fisheries, Food & Beverages, Fruits, Meat, Milk, Oils & Fats, Snacks, Spices, Vegetables, Flowers, Rice, Wheat, Corn, Tobacco And Tobacco Products](#)

Modified Starch, is native starch that has been modified physically, enzymatically, or chemically. This is done to enhance or diminish specific attributes of starch, specializing the modified starch for thickening, gelling, encapsulating or such. Wheat starch thickens food through gelatinization and retro gradation. Heat causes starch to absorb water and swell, while increasing viscosity and clarity. Once the maximum viscosity is reached, the cells move apart and decrease viscosity. When the product begins to cool again, viscosity increases, making the solution cloudy and eventually forming a gel. The strength of the gel depends on the type of starch and how much is used.

Related Videos: - [Starch & its Derivatives](#)

Starch is composed of two glucose polymers: amylose and amylopectin. Although it ranges from source to source, starches usually have 20 to 25 percent amylose and 75 to 80 percent amylopectin. Grain starches tend to have a higher amylose content compared to ones from other plants.

Market Outlook

Wheat starch is obtained by processing the endosperm of the wheat grain. The soluble starch is dissolved in water then evaporated to make a fine white-colored powder. It doesn't lend elasticity to the dough because of which its most ordinarily used as thickener, artificial additive and a lively ingredient within the food and beverages sector. It's also widely used as an emulsifier, stabilizer, fat substitute and a clouding or glazing agent in numerous food applications. Aside from this, it's utilized for improving the feel, viscosity, gel formation, adhesion, binding and moisture retention of numerous food items, which has contributed to its widespread adoption within the food sector.

Related Project: - [Manufacturing of Wheat Starch & Gluten](#)



Global Wheat Starch Market Trends:

The market is primarily driven by the increasing utilization of wheat starch within the food and beverage industry. It forms an important ingredient within the preparation of varied food products because of its superior stabilizing, thickening and gelling properties. Alongside this, wheat starch is processed by eliminating the gluten proteins from wheat flour, which makes it a preferred choice among the consumers who prefer gluten-free foods. It's also utilized in the world as a fat substitute during a variety of food preparations, which is providing a thrust to the market growth. The market is further driven by the growing utilization of the starch to manufacture low-calorie sweeteners, including sorbitol.

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

This is often supported by the shifting dietary preferences, along side the increasing incidences of lifestyle diseases, which has encouraged the masses to shift to low-calorie diets. Aside from this, the starch is used within the manufacturing of skincare products, such as face masks and body cleansers, because it are often utilized to soak up excess oil and impurities from the skin. Moreover, it's extensively utilized within the textile and paper industry as a sizing agent and production component. These expanding applications are expected to drive the market further.

Books:- [BOOKS & DATABASES](#)

Wheat gluten is a popular high-protein food for vegans and is a by-product of wheat starch. Wheat gluten is widely used in preparing high-quality dough for baking.



Industrially, wheat gluten goes through enzymatic hydrolysis to improve its functional properties such as solubility, emulsification, and film-forming properties. Wheat gluten is also prepared extensively as hydrolyzed proteins for hypoallergenic infant diets and nutritional therapy. Gluten also acts as a prebiotic by feeding the good bacteria in human bodies. For instance, Arabinoxylan oligosaccharide is a prebiotic carbohydrate derived from wheat bran that helps in stimulating the activity of bifid bacteria in the colon. The global wheat gluten market is projected to grow with a significant growth rate of 8.22% from 2019 to 2024 and reach a market value of USD 1.37 billion by the end of 2024. The global market is majorly growing due to the increasing importance of a healthy lifestyle and popularity of plant-based food.

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

Potential Applications of Wheat Starch in Pharmaceutical Formulations Drive Market Growth

Pharmacists across the world are taking efforts to discover the potential of modified starch in pharmaceutical formulations to leverage the improved functionalities and applicability of this starch. The focused on basic requirements of pharmaceutical excipients and starch modification methods such as chemical, biotechnological, and physical methods. Starch derived from wheat, maize, rice and others are colorless, odorless, and insoluble in alcohol and water. In pharmaceuticals production, starch acts as an important excipient that is versatile and cheap.

Related Project: - [Manufacturing of Wheat Starch & Gluten](#)



The native wheat starch is being well explored as a binder and disintegrant in solid dosage forms. The starch is being modified to enhance its physicochemical properties such as texture, stability, and viscosity to have a good flow ability and compressibility in pharmaceutical applications. Thus, the modified starch is now being preferred as directly compressible excipients in the pharmaceuticals industry, which is propelling the wheat starch market growth.

The rise in wheat starch production is majorly dependent on wheat production. The market demand for wheat is increasing, leading to the growth in consumption. It is likely to aid the wheat starch industry as well, despite the fall in production in the previous years.

Related Project: - [Manufacturing of Wheat Starch & Gluten](#)



Key Players

- Cargill India Pvt. Ltd.
- Gayatri Bioorganics Ltd.
- Laxmi Starch Ltd.
- Peacock Allied Products Pvt. Ltd.
- Pioneer Industries Pvt. Ltd.
- R A Starch Processors Pvt. Ltd.
- Roquette India Pvt. Ltd.
- Sanstar Ltd.
- Sayaji Industries Ltd.

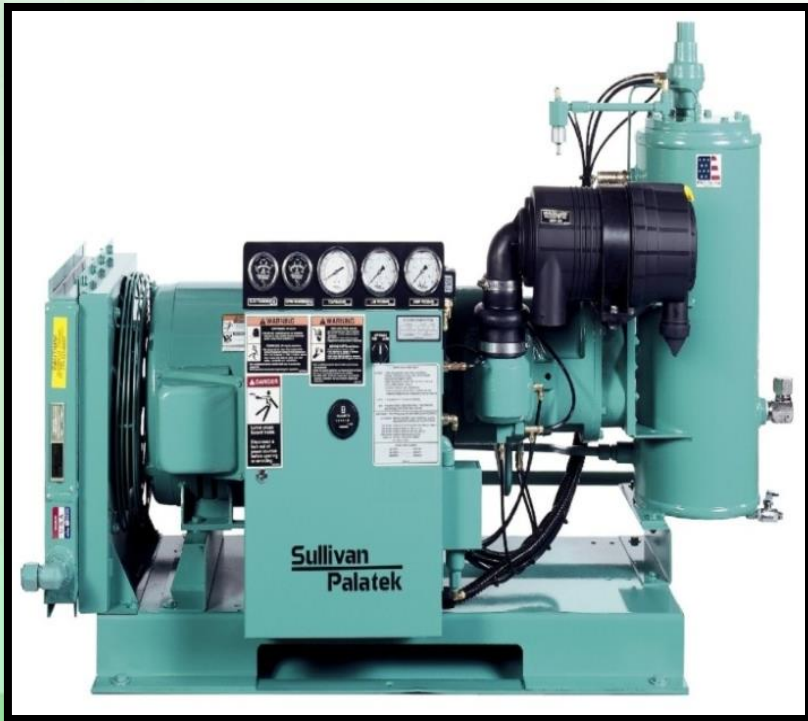
- Shubham Starch Chem Pvt. Ltd.
- Spac Starch Products (India) Ltd.
- Tirupati Starch & Chemicals Ltd.
- Universal Starch-Chem Allied Ltd.



SILO



HOMOGENISER



AIR COMPRESSOR



STORAGE HOPPER

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site							
Development Exp.	0.00	45.00	45.00	Capital	0.00	160.36	160.36
Buildings	0.00	206.60	206.60	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	199.00	199.00	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	57.00	57.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	15.00	15.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	481.09	481.09
Preliminary & Pre-							
operative Exp	0.00	2.00	2.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	18.00	18.00	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	88.85	88.85				
TOTAL	0.00	641.45	641.45	TOTAL	0.00	641.45	641.45

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	5.39	9.26	15.39	24.00	0.00	100.00	5.39	0.00	5.39	1.00	0.00
2-3	8.50	11.87	23.89	18.00	0.00	100.00	8.50	0.00	8.50	1.00	0.00
3-4	11.51	14.46	35.40	12.00	0.00	100.00	11.51	0.00	11.51	1.00	0.00
4-5	14.37	16.96	49.77	6.00	0.00	100.00	14.37	0.00	14.37	1.00	0.00
5-6	17.06	19.33	66.82	0.00	0.00	100.00	17.06	0.00	17.06	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
								GPM	PBT	PAT	Net Contr ibutio n	P/V Ratio		
	Indivi dual	Cumul ative	Over all											
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.37	1.37		1.56	1.56	2.63		10.30 %	5.83%	4.06%	686.2 3	32.1 7%	2.42	1.12
2-3	1.72	1.54		0.75	0.75	1.54		12.09 %	8.36%	5.47%	795.6 8	31.9 7%	2.59	1.35
3-4	2.12	1.72	2.11	0.34	0.34	0.94		13.28 %	10.12 %	6.49%	909.2 3	31.9 7%	2.60	1.63
4-5	2.57	1.91		0.12	0.12	0.60		14.05 %	11.34 %	7.20%	1022. 78	31.9 7%	2.52	1.94
5-6	3.09	2.11		0.00	0.00	0.40		14.54 %	12.16 %	7.69%	1136. 33	31.9 6%	2.39	2.79

Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	58.67%
Total BEP (% of Installed Capacity)	61.88%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.61%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	11.071

Major Queries/Questions Answered in the Report?

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

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

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

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

- 18. What are the Personnel (Manpower) Requirements for setting up Wheat Starch & Gluten Manufacturing Business?**
- 19. What are Statistics of Import & Export for Wheat Starch & Gluten ?**
- 20. What is the time required to break-even of Wheat Starch & Gluten Manufacturing Business?**
- 21. What is the Break-Even Analysis of Wheat Starch & Gluten Manufacturing plant?**
- 22. What are the Project financials of Wheat Starch & Gluten Manufacturing Business?**

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

27. What are the Market Opportunities for setting up Wheat Starch & Gluten Manufacturing plant?

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

29. What is the Plant Layout for setting up Wheat Starch & Gluten Manufacturing Business?

Table of Contents of the Project Report

1 PROJECT LOCATION

1.1. CITY PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. History
- 1.1.3. Geography
- 1.1.4. Location
- 1.1.5. Climate
- 1.1.6. Topography
- 1.1.7. Map
- 1.1.8. Administration
- 1.1.9. Economy
- 1.1.10. Industry at a Glance
- 1.1.11. Transport

2. INTRODUCTION

3. PROPERTIES

4. USES & APPLICATION

4.1. USES OF STARCH

4.1.1. Cooking

4.1.2. Facial Masks

4.1.3. Glue

4.2. STARCH APPLICATIONS

4.2.1. Wheat Gluten

4.2.2. Wheat Starch

5. B.I.S. SPECIFICATIONS

- 5.1. IS 8162 : 1998 (REAFFIRMED YEAR : 2018) WHEAT FLOUR - METHOD FOR DETERMINATION OF WET GLUTEN
- 5.2. IS 15470 : 2004 (REAFFIRMED YEAR : 2018) WHEAT FLOUR - DETERMINATION OF DRY GLUTEN
- 5.3. IS 16309 : PART 3 : 2017 WHEAT AND WHEAT FLOUR — GLUTEN CONTENT PART 3 DETERMINATION OF DRY GLUTEN FROM WET GLUTEN BY AN OVEN DRYING METHOD
- 5.4. IS 16309 : PART 4 : 2017 WHEAT AND WHEAT FLOUR — GLUTEN CONTENT PART 4 DETERMINATION OF DRY GLUTEN FROM WET GLUTEN BY A RAPID DRYING METHOD
- 5.5. IS 1155 (1968): WHEAT ATTA [FAD 16: FOODGRAINS, STARCHES AND READY TO EAT FOODS]

6. MARKET SURVEY

- 6.1. COMPETITIVE LANDSCAPE
- 6.2. WHEAT STARCH MARKET DEMAND GROWTH
- 6.3. MAJOR PLAYERS
- 6.4. GLOBAL WHEAT STARCH MARKET
- 6.5. MARKET DYNAMICS
- 6.6. KEY MARKET PLAYERS
- 6.7. CORN STARCH SUPPLY
 - 6.7.1. Demand Analysis
 - 6.7.2. Global Demand by Application

7. EXPORT & IMPORT: ALL COUNTRIES

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

8. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

- 8.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 8.2. PROFITS & APPROPRIATIONS
- 8.3. TOTAL LIABILITIES
- 8.4. TOTAL ASSETS
- 8.5. NET CASH FLOW FROM OPERATING ACTIVITIES

8.6. SECTION -I

- 8.6.1. Name of Company with Contact Details
- 8.6.2. Name of Director(S)
- 8.6.3. Plant Capacity
- 8.6.4. Location of Plant
- 8.6.5. Credit Ratings
- 8.6.6. Name of Raw Material(S) Consumed with Quantity & Cost

8.7. SECTION-II

- 8.7.1. Assets
- 8.7.2. Cash Flow
- 8.7.3. Cost as % Ge of Sales
- 8.7.4. Growth in Assets & Liabilities
- 8.7.5. Growth in Income & Expenditure
- 8.7.6. Income & Expenditure
- 8.7.7. Liabilities
- 8.7.8. Liquidity Ratios
- 8.7.9. Profitability Ratio
- 8.7.10. Profits
- 8.7.11. Return Ratios
- 8.7.12. Structure of Assets & Liabilities(%)
- 8.7.13. Working Capital & Turnover Ratios

9. COMPANY PROFILE OF MAJOR PLAYERS

10. EXPORT & IMPORT STATISTICS OF INDIA

10.1. EXPORT STATISTICS FOR WHEAT STARCH

10.2. IMPORT STATISTICS FOR WHEAT STARCH

10.3. EXPORT STATISTICS FOR WHEAT GLUTEN

10.4. IMPORT STATISTICS FOR WHEAT GLUTEN

11. PRESENT MANUFACTURERS

12. RAW MATERIAL

12.1. TYPICAL FLOUR COMPOSITION

12.2. WHEAT VARIETIES

13. MANUFACTURING PROCESS

14. PROCESS FLOW DIAGRAM

15. BUYER'S LIST

15.1. CONTACT DETAILS OF BUYER'S

15.2. NAME OF DIRECTOR(S)

15.3. PLANT CAPACITY

15.4. CREDIT RATINGS

15.5. PLANT LOCATION

15.6. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

16. SUPPLIERS OF PLANT & MACHINERY

17. SUPPLIERS OF RAW MATERIAL

18. PHOTOGRAPHS/IMAGES FOR REFERENCE

18.1. MACHINERY PHOTOGRAPHS

18.2. RAW MATERIAL PHOTOGRAPHS

18.3. PRODUCT PHOTOGRAPHS

19. PLANT LAYOUT

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.)**

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

Tags

**#wheat #bakery #confectionery #WheatStarch #WheatStarchProducts
#WheatStarchManufacturing #WheatStarchProduction
#WheatStarchMarket #WheatGluten #WheatGlutenManufacturing
#WheatGlutenProduction #WheatGlutenBusiness #WheatGlutenMarket
#Wheat #WheatManufacturing #WheatProduction #WheatBusiness
#WheatIndustry #GrainIndustry #WheatMarket #StarchMarket
#ModifiedStarches #NativeStarches #WheatBusiness #NewRelease**

#InvestInStartups

#Plan4Business

#StartupPlan

#HowToMakeYourBusinessMoreSuccessful

#investorbusiness

#Startupcapital

#BusinessPlanning

#StartupIdea

#DetailedProjectReport

#businessconsultant

#BusinessPlan

#feasibilityReport

#NPCS

#projectreport

#projectconsultant

#InvestmentOpportunities #howtostartbusiness



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

Manufacturing of Wheat Starch & Gluten

See more
Project Reports & Profiles
BOOKS
Market Research Report

Visit us at

www.entrepreneurindia.co

www.niir.org

**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>

Select and Choose the Right Business Startup for You

(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](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

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

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

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

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , 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 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 *Conti...*

- 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

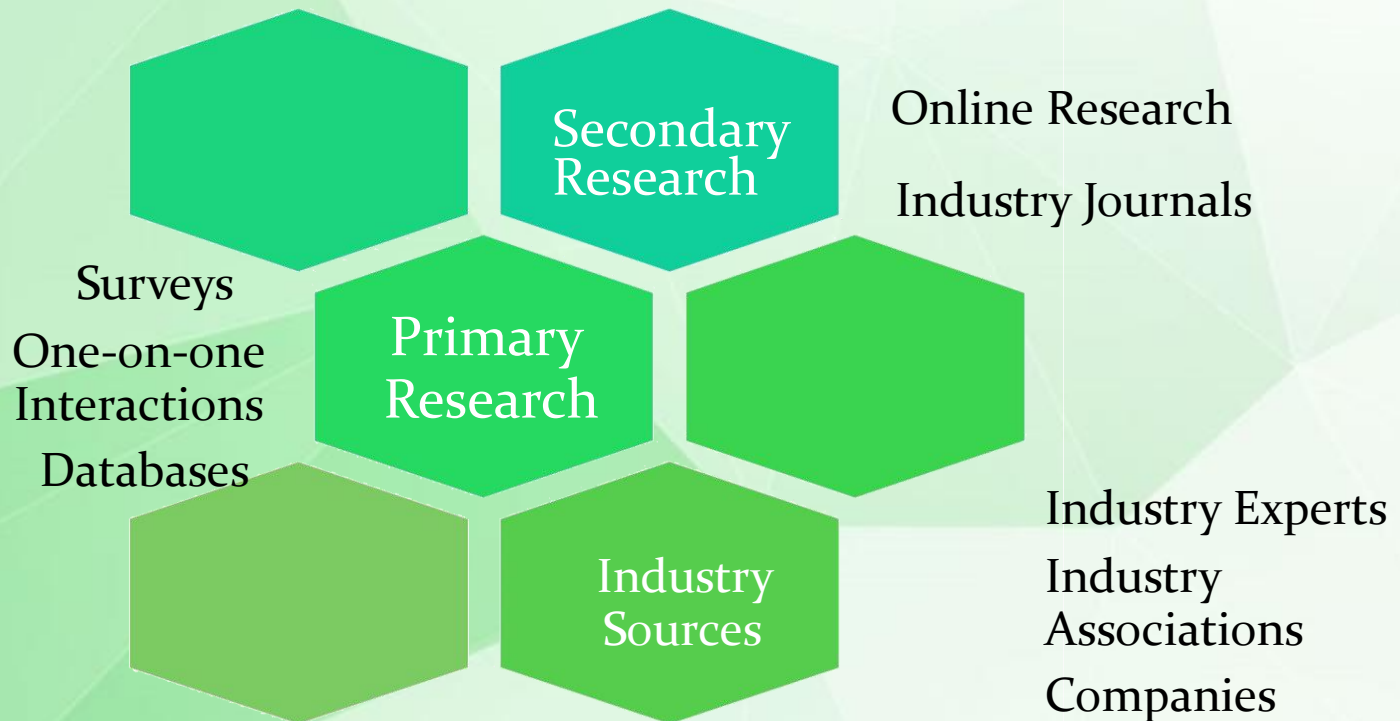
- ⌘ To provide forecasts of key parameters which helps to anticipate the industry performance
- ⌘ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ⌘ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ⌘ To evaluate 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

Take a look at *NIIR PROJECT CONSULTANCY SERVICES* on
#Street View

<https://goo.gl/VstWkd>

Contact us

NIIR PROJECT CONSULTANCY SERVICES

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

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

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

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , 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://twitter.com/npcs_in



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

THANK YOU

For more information, visit us at:

www.niir.org

www.entrepreneurindia.co