Cold Water Starch Production Business.

Manufacturing of Cold Water Starch

for

Landry, Dry Cleaning, Textile Finishing, Paper Smoothening, Printing Finishing, Gluing and Gumming Industry

Introduction

Cold water starch is a modified starch used to stiffen textile and other related fabric. Cold water starch is used to stiffen clothes and fabrics. It is used in cold water at room temperature on the fabric to be treated. Production of cold water starch is a lucrative business due to high demand for it. Cold water starch is easy to use; it does not require boiling water to prepare it, this has made it a darling to starch users and launderers. The raw materials for producing it are affordable and readily available in the market. Cold water starch is used during laundry and is applicable on a small or large scale.

It is simply used in cold (room temperature) water or directly on the material to be treated.

Types: **There are two types, namely the powder and the liquid. However, the liquid is also found in aerosol pack.**

Uses:

1. Laundry and dry cleaning
2. Textile finishing (cloth, bandages, rug towels) etc.
3. Fishing and other nets finishing
4. Paper smoothening (in paper production)
5. Printing finishing (Anti-set-off powder)
6. Gluing and gumming (labeling, binding & gumming)

Cold water starch, which is popularly used by many because it is easier to apply, comes in two variants, namely, the dry (powder form) and the liquid cold water starch. Making of cold water soluble starch is one profitable business anyone can venture into with minimal capital and generate steady income with remarkable high turnover.

It is used during laundry and is applicable on a small or large scale. Home owners use the product including businesses that do laundry and dry cleaning.

Manufacturing Process

Mixing of Starches:

- **The waxy maize starch 20% and common corn starch 80% are mixed with water to get a slurry.**
- **Ethanol -water mixture.**
- **Prepare an ethanol 60%-water 20% mixture.**
- **Add the mixture of starch (20%) to the ethanol-water mixture (80%).**
- **Stir continuously and a slurry is prepared,**
- **This slurry is pumped through a tubular jacketed reactor at a temperature 150-172°C for 2 minute residence time.**

- Cool the slurry to 40°C.
- Filter the slurry by centrifuge and recycle the ethanol.
- Dry the starch and
- Filled in the poly bags and sent to store/ sale.

Industrial starches are largely used as adhesives in paper and packaging material manufacturing, etc. There is an increase in the demand for the adhesive in the packaging industry, which is helping its growth. The growing demand for industrial starches in the construction industry and the high demand for food additives as thickeners are also responsible for the growth of the market. Growing demand for starch is mainly due to its use in the coating of papers as one of the binders. Coated paper from starch has enhanced smoothness, whiteness, stability, and hence, improves the printing quality, which has boosted sales of industrial starches.

The demand for starches and derivatives looks very promising in India as all the major user segments of starches and derivatives are showing near double digit growth in their production. The major users of starches and derivatives are food, textile, paper and pharma sectors.

The textile sector is one of the oldest industries in the Indian economy dating back several centuries. It is also one of the largest contributors to India's exports with approximately 11 percent of total exports. The Indian textile industry, currently valued at around INR 7265 bn ($110 bn), is expected to reach $225 bn by 2021. The industry contributes about 5 percent of India's GDP. Starch is an important raw material for the textile industry, with applications in sizing, finishing and printing. Approximately 80 percent of the starch used in textiles is in sizing and minor quantity of starches are used in garment finishing.

The increasing consumption of industrial starch as adhesives in consumer products and packaging industry is anticipated to boost the growth of the global industrial starch market. The emerging trend of biofuels and biomaterials and the consumption of starch in this industry is expected to drive the growth of the industrial starch market.

The global industrial starch market can be divided into seven regions, namely North America, Latin America, Western Europe, Eastern Europe, Asia Pacific Excluding Japan (APEJ), Japan and Middle East and Africa (MEA).

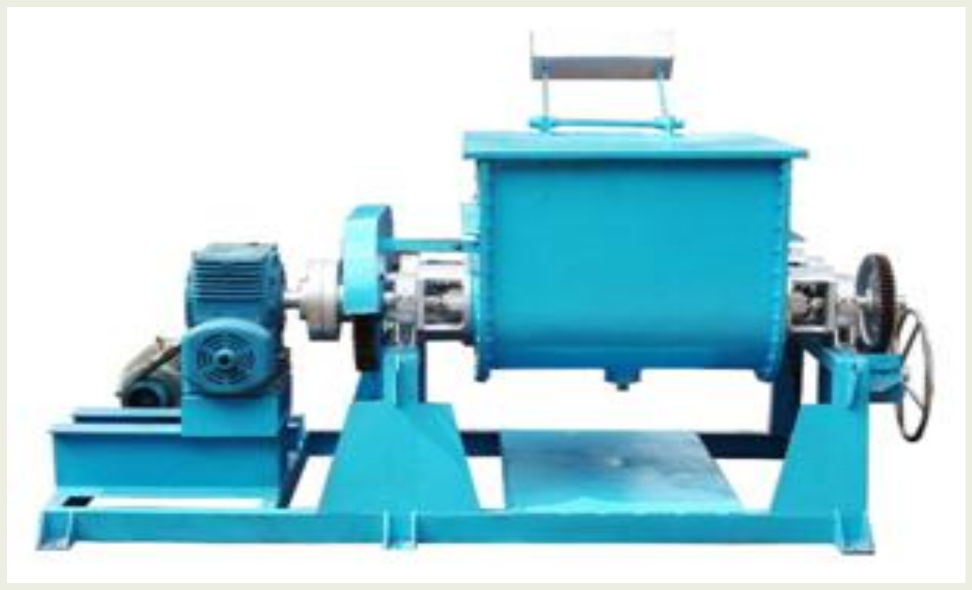
APEJ holds major share in the industrial starch market in terms of consumption. This is attributed to the growth of end-use industries such as textile, paper and food industry in the emerging clusters of the region. North America also accounted for the significant share in the industrial starch market, owing to the rapid growth of industrial packaging in the region.

The growing end-use industries and industrial packaging industry in Western Europe is anticipated to increase the share of the industrial starch market in the region.

Machinery Photographs

HOPPER

ELEVATOR



SIGMA BLENDER

JACKETED TUBULAR COOLER

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	75.00	75.00	Capital	0.00	194.42	194.42
Buildings	0.00	181.20	181.20	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	255.00	255.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	12.00	12.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	53.00	53.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	20.00	20.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	583.27	583.27
Preliminary& Pre-operative Exp	0.00	4.00	4.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	25.00	25.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	152.50	152.50				
TOTAL	0.00	777.70	777.70	TOTAL	0.00	777.70	777.70

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	
	USD	USD	USD	USD	USD	%	USD	%	USD		%
1-2	446.20	801.56	456.20	2400.00	0.00	100.00	446.20	0.00	446.20	1.00	0.00
2-3	800.71	1110.05	1256.90	1800.00	0.00	100.00	800.71	0.00	800.71	1.00	0.00
3-4	1143.99	1413.73	2400.90	1200.00	0.00	100.00	1143.99	0.00	1143.99	1.00	0.00
4-5	1463.51	1699.12	3864.41	600.00	0.00	100.00	1463.51	0.00	1463.51	1.00	0.00
5-6	1755.13	1961.29	5619.54	0.00	0.00	100.00	1755.13	0.00	1755.13	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.22	1.22		1.66	1.66	4.53		5.31%	2.08%	1.49%	1171.06	20.08%	3.79	1.08
2-3	1.59	1.40		0.80	0.80	2.93		6.33%	3.48%	2.29%	1319.82	19.40%	4.00	1.17
3-4	2.03	1.59	2.01	0.35	0.35	1.97		6.99%	4.46%	2.86%	1507.26	19.38%	4.00	1.28
4-5	2.53	1.80		0.12	0.12	1.39		7.41%	5.12%	3.25%	1694.70	19.37%	3.90	1.42
5-6	3.11	2.01		0.00	0.00	1.03		7.66%	5.55%	3.51%	1882.14	19.36%	3.74	1.70

Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	68.80%
Total BEP (% of Installed Capacity)	70.93%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.74%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	26.509

Major Queries/Questions Answered in the Report?

1. What is Cold Water Starch Manufacturing industry ?

2. How has the Cold Water Starch Manufacturing industry performed so far and how will it perform in the coming years ?

3. What is the Project Feasibility of Cold Water Starch Manufacturing Plant ?

4. What are the requirements of Working Capital for setting up Cold Water Starch Manufacturing plant ?

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

6. What is the total project cost for setting up Cold Water Starch Manufacturing Business?

7. What are the operating costs for setting up Cold Water Starch Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up Cold Water Starch Manufacturing plant ?

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

10. What are the requirements of raw material for setting up Cold Water Starch Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Cold Water Starch Manufacturing Business?

12. What is the Manufacturing Process of Cold Water Starch?

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

14. **What will be the income and expenditures for Cold Water Starch Manufacturing Business?**

15. **What are the Projected Balance Sheets of Cold Water Starch Manufacturing plant ?**

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

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

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

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

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

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Reasons for Buying our Report:

- This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product
- This report provides vital information on the product like it's characteristics and segmentation
- This report helps you market and place the product correctly by identifying the target customer group of the product

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

Tags

Production of Cold Water Starch, Liquid Cold Water Starch Business, How to Start a Cold Water Starch Business, Starting a Cold Water Starch Company, How to Produce Cold Water Starch, Cold Water Starch Production, Production of Cold Water Starch Powder, How to Make Cold Water Starch Pdf, Cold Water Starch Production Business Plan, Cold Water Starch Production, Cold Water Starch Production Business, Production of Liquid Cold Water Starch, Uses of Cold Water Starch, Starch, Instant Cold Water Starch, How to make Liquid Starch for Clothes, Cold Water Soluble Starch for Textile Industry, Project Report on Cold Water Starch Production Industry, Detailed Project Report on Cold Water Starch Production, Project Report on Cold Water Starch Production, Pre-Investment Feasibility Study on Cold Water Starch Production, Techno-Economic feasibility study on Cold Water Starch Production, Feasibility report on Cold Water Starch Production, Free Project Profile on Cold Water Starch Production, Project profile on Cold Water Starch Production, Download free project profile on Cold Water Starch Production

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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

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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

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- *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

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