

# **Profitable Business Ideas in Invert Sugar Syrup Manufacturing Industry.**

## **Production of Sweeteners**

*(Inverted Sugar Syrup)*



# **Introduction**

**The invert sugar syrups or invert sugars are chemically made up of a mixture of glucose and fructose. These products are known to have greater digestibility than the commonly used table sugar. Due to their unique properties, invert sugar syrups have been used extensively in the food and beverage industry. The appearance of the invert sugar syrups is transparent and sometimes yellow-brown and sticky consistency. The properties like providing extra sweetness, texturizing properties, etc. have provided an extra edge for invert syrup sugars over other natural sugars. They are also a potent substitutes for honey and sucrose.**

## ***Uses & Application:***

**Invert syrup is used to keep product moist, extending except able shell life of products.**

- **It can be used to slow down the crystallization that may occur.**
- **Thus the main uses of Invert sugar are in:**



## ***Food and Confectionery Industry***

**Bakeries & Biscuits** - It can be used for carmellisation, enhancement of flavour and texture improvement.

**Bread, Cakes & Pastries** - Invert sugar improves the quality of the crust and makes the bread crumb softer. Yeast activation also becomes faster.

**Fruit Processing** - When used for fruit processing, invert sugar increases the shelf life due to good humectants properties. It also enhances taste and flavor.

**Honey** - Invert sugar can be used for bee feeding and can be blended with honey. Chemically and physically it has the same properties as honey.

**Herbal Cosmetics** - As invert sugar restricts bacterial activity and is a chemically purer replacement of honey, it can be used in herbal cosmetics.

**Squashes, lemonade and instant energy drinks** - Because of the glucose and fructose content, invert sugar provides instant energy and better taste.

## ***Brewing Industry***

The cane sugar stresses the yeast when it is used in brewing and that's why invert sugar is used in brewing industry. It's a simple sugar and it can be broken down easily.

## **Humectant**

**Invert syrup has a high affinity for water, so invert syrup (a 'humectants') is often used to keep products moist and extend their shelf life. This additional moisture retention is especially important in low fat baked goods such as cakes, soft cookies and bread rolls, since these products can become dry and stale much quicker than their full fat counterparts.**

**All inverted sugar syrups are created from hydrolysing sucrose to glucose (dextrose) and fructose by heating a sucrose solution, then relying on time alone, with the catalytic properties of an acid or enzymes used to speed the reaction. Commercially prepared acid catalysed solutions are neutralised when the desired level of inversion is reached.**

**All constituent sugars (sucrose, glucose and fructose) support fermentation, so invert sugar solutions may be fermented as readily as sucrose solutions.**

**Invert sugar has a lower water activity than that of sucrose, so it provides more powerful preserving qualities (a longer shelf life) to products that use it. The shelf life of partial inverts is approximately six months, depending on storage and climatic conditions. Crystallised invert sugar solutions may be restored to their liquid state by gently heating.**



**Invert sugar syrup is now being used by over 200 units in India. This trend will continue to grow in coming years. The biggest benefit which Pharma industries get is that by purchasing it from external vendors there is a drastic reduction in their cost, a consistent quality and better utilization of resources.**

**The reason Invert Sugar is added to syrups (like cough syrups) is mainly for flavour enhancement. It also gives a consistent viscosity and smoothness to the solution. Invert sugar is also known for enhancing shelf life of the products it's mixed in, therefore it is an ideal mixing solution to neutralize the bitter flavour of medical drugs.**





**With increasing awareness of medical treatment in India and a growing middle class, the need for medical treatments has gone up substantially. The new units find it impossible to manufacture everything in-house, and therefore depend on external quality vendors for lot of ingredients that they use, by doing this they can focus on their core competence of manufacturing drugs only and not worry about the itsy-bitsy things.**

**The popularity of Invert Sugar has also been seen in industries like Bakery, Distillery and Honey Syrup manufacturers.**



**On the basis of end use, invert sugar syrups market is segmented as food industry, beverage industry, personal care, dietary supplements, pharmaceuticals and others. The others segment mostly includes the distilleries, tobacco and the feed industry. The food industry is further segmented as bakery, confectionary, frozen desserts, honey processing and others. The beverage industry is further segmented as fruit juices, energy drinks, soft drinks and others. The invert sugar syrups are mainly used for caramel and chocolate fillings and to enhance the quality of biscuit and cookie crusts.**

**Due to its unique flavor and texturizing properties, developing niche confectionary products is a good opportunity for the growth of the invert sugar syrups market. The awareness amongst consumers that invert sugar syrups have been known to promote obesity may retard the growth of the invert sugar syrups market.**

**The growing demand for other natural and artificial sweeteners may suppress the growth of the invert sugar syrups market. Hence, educational marketing regarding the unique benefits of the invert sugar syrups may retain its existing market share in the sweetener market.**

**The inverted sugar syrup segment is expected to grow at a faster rate comparatively due to its extensive application in non-alcoholic refreshing beverages.**



**The major producer of the invert sugar syrups market is Europe, owing to the presence of a large number of international companies. Europe remains one of the top exporters of the invert sugar syrups. The production and export of these products have also been dominated by countries like China and Indonesia due to the availability of raw materials and hence, Asia Pacific has also been an important contributor of the invert sugar syrups market. In the Asia Pacific, India, Japan, Korea, Malaysia, Thailand and Philippines also have significant shares in the invert sugar syrups market. North America and Latin America exhibit a fairly steady growth over the forecast period. The consumption of maple syrup in this region has influenced the growth of the invert sugar syrups market. The Middle East and Africa region have shown a decline in the past decade and the growth of the invert sugar syrups market remains stagnant over the forecast period.**

# Machinery Photographs



**Tanks**

**Transfer Pump with Motor**





**Steam Boiler**

**Automatic Filling Machine**



# Project at a Glance

PROJECT AT A GLANCE								( in lacs)
COST OF PROJECT				MEANS OF FINANCE				
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total	
Land & Site Development Exp.	0.00	55.00	55.00	Capital	0.00	183.48	183.48	
Buildings	0.00	90.30	90.30	Share Premium	0.00	0.00	0.00	
Plant & Machineries	0.00	397.50	397.50	Other Type Share				
Motor Vehicles	0.00	12.00	12.00	Capital	0.00	0.00	0.00	
Office Automation Equipments	0.00	58.50	58.50	Reserves & Surplus	0.00	0.00	0.00	
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Cash Subsidy	0.00	0.00	0.00	
Franchise & Other Deposits	0.00	0.00	0.00	Internal Cash Accruals	0.00	0.00	0.00	
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Long/Medium Term Borrowings	0.00	550.45	550.45	
Provision for Contingencies	0.00	40.00	40.00	Debentures / Bonds	0.00	0.00	0.00	
Margin Money - Working Capital	0.00	52.64	52.64	Unsecured Loans/Deposits	0.00	0.00	0.00	
<b>TOTAL</b>	<b>0.00</b>	<b>733.94</b>	<b>733.94</b>	<b>TOTAL</b>	<b>0.00</b>	<b>733.94</b>	<b>733.94</b>	

# Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share		%		No.of Times	%
1-2	5.03	9.65	15.03	24.00	0.00	100.00	5.03	0.00	5.03	1.00	0.00
2-3	7.95	11.93	22.98	18.00	0.00	100.00	7.95	0.00	7.95	1.00	0.00
3-4	10.85	14.29	33.83	12.00	0.00	100.00	10.85	0.00	10.85	1.00	0.00
4-5	13.66	16.63	47.48	6.00	0.00	100.00	13.66	0.00	13.66	1.00	0.00
5-6	16.35	18.93	63.84	0.00	0.00	100.00	16.35	0.00	16.35	1.00	0.00



# Project at a Glance

Year	D. S. C. R.			Debt / Equity - 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	1.39	1.39		1.60	1.60	2.40		14.33%	6.56%	5.02%	707.65	38.54%	2.01	1.03
2-3	1.69	1.53		0.78	0.78	1.39		16.56%	10.06%	6.81%	805.54	37.61%	2.17	1.32
3-4	2.05	1.69	2.05	0.35	0.35	0.82		18.06%	12.52%	8.13%	920.14	37.59%	2.20	1.68
4-5	2.48	1.86		0.13	0.13	0.50		19.08%	14.26%	9.10%	1034.74	37.57%	2.13	2.07
5-6	3.00	2.05		0.00	0.00	0.31		19.76%	15.50%	9.81%	1149.34	37.56%	2.01	3.26

# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	54.34%
Total BEP (% of Installed Capacity)	58.45%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	27.81%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	8.307

# Major Queries/Questions Answered in the Report?

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

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

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Invert Sugar Syrup Manufacturing plant ?**

**10. What are the requirements of raw material for setting up Invert Sugar Syrup Manufacturing plant ?**

**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Invert Sugar Syrup Manufacturing Business?**

**12. What is the Manufacturing Process of Invert Sugar Syrup ?**

- 13. What is the total size of land required for setting up Invert Sugar Syrup Manufacturing plant ?**
- 14. What will be the income and expenditures for Invert Sugar Syrup Manufacturing Business?**
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# Reasons for Buying our Report:

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

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

# Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

## ***Scope of the Report***

**The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Invert Sugar Syrup.” provides an insight into Invert Sugar Syrup market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Invert Sugar Syrup project. The report assesses the market sizing and growth of the Indian Invert Sugar Syrup 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 Invert Sugar Syrup sector in India along with its business prospects. Through this report we have identified Invert Sugar Syrup project as a lucrative investment avenue.**

# Tags

Invert Sugar Syrup Manufacture, Making an Inverted Syrup, Sugar Inversion, Manufacture of Invert Sugar Syrup, Invert Sugar Manufacturing Plant, Invert Sugar Syrup Making Machine, Invert Sugar Syrup Manufacturing, Production of Invert Sugar Syrup, Invert Sugar Syrup Liquid, Preparation of Invert Sugar in Brewery, Invert Sugar Syrup Production, Production of Inverted Syrup, Process of Preparing Invert Sugars, Liquid Invert Sugar, Commercial Invert Sugar Syrups, Invert Syrup Preparation, Producing Sweeteners Syrup (Invert Sugar), Making of Invert Sugar Syrup, Invert Sugar Plant Cost, Invert Sugar Syrup Manufacturing Process, Invert Sugar Syrup Manufacture Technology, Process for Manufacture of Invert Sugar Syrup, Production of Invert Sugar Solutions, Invert Sugar Uses, Benefits of Invert Sugar Syrup, Process of Preparing Invert Sugars, Inverted Sugar Syrup, How to Make Invert Sugar Syrup, Invert Sugar, Invert Sugar Production, How to Make Invert Sugar, Invert Sugar, Golden Syrup, Golden Syrup Invert Sugar Manufacture, Invert Sugar Manufacturing Unit, Invert Sugar Syrup Manufacturing project ideas,



Projects on Small Scale Industries, Small scale industries projects ideas, Invert Sugar Syrup Manufacturing Based Small Scale Industries Projects, Project profile on small scale industries, How to Start Invert Sugar Syrup Manufacturing Industry in India, Invert Sugar Syrup Manufacturing Projects, New project profile on Invert Sugar Syrup Manufacturing industries, Project Report on Invert Sugar Syrup Manufacturing Industry, Detailed Project Report on Invert Sugar Syrup Production, Project Report on Invert Sugar Syrup Production, Pre-Investment Feasibility Study on Invert Sugar Syrup Production, Techno-Economic feasibility study on Invert Sugar Syrup Production, Feasibility report on Invert Sugar Syrup Production, Free Project Profile on Invert Sugar Production, Project profile on Invert Sugar Production, Download free project profile on Invert Sugar Production, Startup Project for Invert Sugar Production, Project report for bank loan, Project report for bank finance, Project report format for bank loan in excel, Excel Format of Project Report and CMA Data, Project Report Bank Loan Excel

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**Production of Sweeteners**

**(Inverted Sugar Syrup)**

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**NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.**

**Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.**



**And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:**

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- **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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# **Niir PROJECT CONSULTANCY SERVICES**

**An ISO 9001:2015 Company**



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

## 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

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