

Alcohol from Potato

Alcohol Production From Sweet Potato, Sweet Potato Spirits

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, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

Introduction

The term alcohol was first applied to the spirits of wine, ethyl alcohol, and now it refers to a series of substances with similar characteristics. Ethyl alcohol is the active constituent of all intoxicating liquors obtained by the fermentation of saccharine materials. It is present in the form of esters in several volatile oils. It is now a days prepared in immense quantities, chiefly by fermentation and finds numerous industrial uses, and is also being used as a motor fuel. Alcohol is itself a raw material for chemicals, it is also a solvent.

The use of alcohol as an exhilarating and intoxicating beverage is common throughout the world. Today, the fermented juice, obtained from several palms, has long been used by the poorer classes in India, and the distillation of spirit, arrack from fermented rice, toddy etc; has been known, since early times. Since the advent of the English into India, modern distilleries and breweries have been established in almost all the Provinces and important States. The potable spirits made are country spirit (arrack and spiced liquors), and liquors resembling, imported spirit (rum, gin, whisky, and brandy).

Alcohol is used directly in the manufacture of several compounds such as ether, ethyl acetate, and other esters, acetic acid (vinegar), acetone, chloral, chloroform and iodoform. It is required for the manufacture of mercury fulminate which is largely used in detonators for explosives. It is a solvent in preparing T.N.T. Alcohol is also employed in the preparation of transparent soaps.

Industrial ethanol is a mature market. However, due to the rapid growth in fuel ethanol, the market dynamics are actively changing. Key suppliers in this market include domestic and imported fermentation producers, as well as domestic and imported synthetic producers. Therefore, it is a good project for entrepreneurs to invest.

Few Indian Major Players are as under

- A P Met Engg. Ltd.
- Agribiotech Industries Ltd.
- Ammana Bio Pharma Ltd.
- Andhra Petrochemicals Ltd.
- Asansol Bottling & Packaging Co. Pvt. Ltd.
- Asian Petroproducts & Exports Ltd.
- Carew Phipson Ltd.
- Chandigarh Distillers & Bottlers Ltd.
- Cilson Organics Ltd.
- Galaxy Oleo-Chem (India) Ltd.

- Gwalior Alcobrew Pvt. Ltd.
- I F B Agro Inds. Ltd.
- Khandoba Distilleries Ltd.
- Kolhapur Sugar Mills Ltd.
- M W P Ltd.
- Maruti Organics Ltd.
- Mohan Meakin Ltd.
- National Industrial Corpn. Ltd.
- Pampasar Distillery Ltd.
- Patiala Distillers & Mfrs. Ltd.

- Radico Khaitan Ltd.
- Rishab Alchem India Pvt. Ltd.
- Samsons Distilleries Pvt. Ltd.
- Saraya Industries Ltd.
- Sri Rama Distilleries Ltd.
- Yeast Alco Enzymes Ltd.
- Gujarat Soaps Ltd.
- Pioneer Distilleries Ltd.

PROJECT AT A GLANCE

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	350.00	350.00	Capital	0.00	570.09	570.09
Buildings	0.00	708.00	708.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	810.00	810.00	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	110.50	110.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1710.28	1710.28
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	80.00	80.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	154.87	154.87				
TOTAL	0.00	2280.37	2280.37	TOTAL	0.00	2280.37	2280.37

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	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs		%
1-2	5.95	9.79	15.95	24.00	0.00	100.00	5.95	0.00	5.95	1.00	0.00
2-3	8.56	11.91	24.51	18.00	0.00	100.00	8.56	0.00	8.56	1.00	0.00
3-4	11.20	14.13	35.70	12.00	0.00	100.00	11.20	0.00	11.20	1.00	0.00
4-5	13.80	16.36	49.50	6.00	0.00	100.00	13.80	0.00	13.80	1.00	0.00
5-6	16.35	18.59	65.85	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 / - 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	1.41	1.41		1.51	1.51	2.64		10.12%	6.00%	4.19%	1596.06	19.70%	2.48	1.02
2-3	1.69	1.54		0.73	0.73	1.58		11.18%	7.85%	5.16%	1861.82	19.70%	2.65	1.24
3-4	2.03	1.69	2.03	0.34	0.34	1.00		11.91%	9.20%	5.91%	2127.79	19.70%	2.67	1.49
4-5	2.45	1.85		0.12	0.12	0.66		12.42%	10.18%	6.47%	2393.75	19.70%	2.61	1.76
5-6	2.95	2.03		0.00	0.00	0.45		12.78%	10.91%	6.90%	2659.72	19.70%	2.49	2.47

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	39.80%
Total BEP (% of Installed Capacity)	44.61%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.55%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	10.303

Major Queries/Questions Answered in the Report?

1. What is Alcohol From Potato industry?
2. How has the Alcohol From Potato industry performed so far and how will it perform in the coming years?
3. What is the Project Feasibility of Alcohol From Potato Plant?
4. What are the requirements of Working Capital for setting up Alcohol From Potato plant?
5. What is the structure of the Alcohol From Potato Business and who are the key/major players?

6. What is the total project cost for setting up Alcohol From Potato plant?
7. What are the operating costs for setting up Alcohol From Potato plant?
8. What are the machinery and equipment requirements for setting up Alcohol From Potato plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Alcohol From Potato plant?
10. What are the requirements of raw material for setting up Alcohol From Potato plant?

- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Alcohol From Potato plant?**
- 12. What is the Manufacturing Process and Formulations of Alcohol From Potato plant?**
- 13. What is the total size of land required for setting up Alcohol From Potato plant?**
- 14. What will be the income and expenditures for Alcohol From Potato plant?**
- 15. What are the Projected Balance Sheets of Alcohol From Potato plant?**

16. What are the requirement of utilities and overheads for setting up Alcohol From Potato plant?
17. What is the Built up Area Requirement and cost for setting up Alcohol From Potato Business?
18. What are the Personnel (Manpower) Requirements for setting up Alcohol From Potato Business?
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25. What are the Projected Pay-Back Period and IRR of Alcohol From Potato plant?

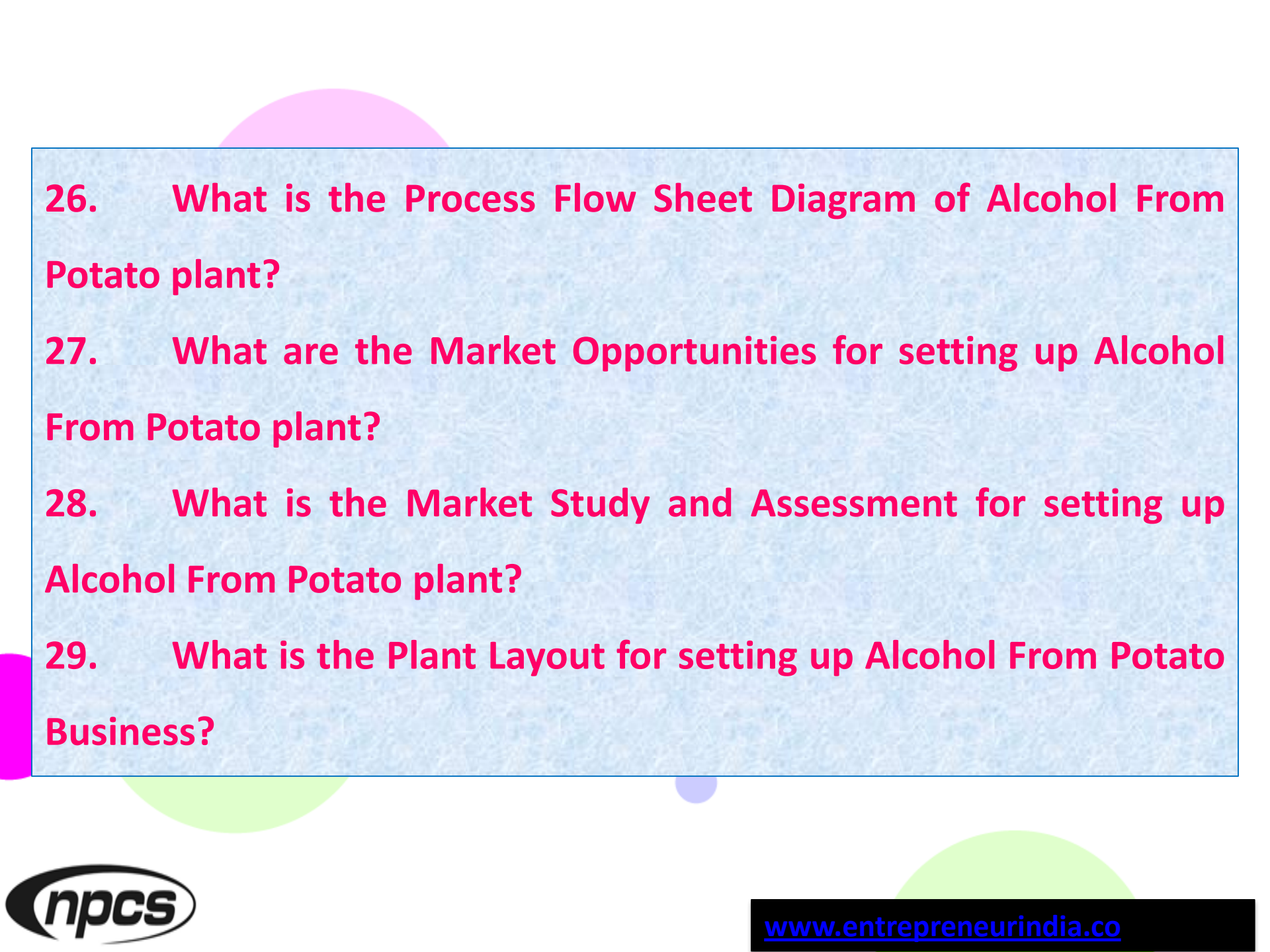
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26. What is the Process Flow Sheet Diagram of Alcohol From Potato plant?
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Our Approach

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*
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Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
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- *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 Cont...

- *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 & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *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*

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- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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