

Arabic Gum Processing Industry.

Investment Opportunities in Production of Gum Arabic



Introduction

Gum arabic, also known as gum acacia, char gund, char goond, meska or E414, is harvested from two types of wild Acacia trees found in the African Sahel from Senegal/Sudan to Somalia. A gum exuded by the African acacia trees Acacia Senegal and A. seyal, used as a thickener, emulsifier, and stabilizer in food, pharmaceutical, and industrial products.



Gum arabic is most often presented to industry in a spray-dried form. So some final products are also dried like flakes and milled and some are spray dried. Spray drying is a process where a liquid material such as milk or liquid eggs, or a concentrated aqueous (water) solution of a solid material, such as gum arabic, is heated and passed through a nozzle atop a heated chamber.



Uses

Acacia gum has been used in pharmaceuticals as a demulcent. It is used topically for healing wounds and has been shown to inhibit the growth of periodontic bacteria and the early deposition of plaque.

Arabic gums are widely used in the food, pharmaceutical, cosmetic, adhesive and paint textiles industries, for their unrivalled technological properties. Acacia gum has long been used for its functional properties. Thanks to its very low viscosity and its absence of taste and odor, Acacia gum can be incorporated in large amount in foodstuffs without disturbance of their organoleptic properties. Acacia gums are widely used in the food industry for their technological and nutritional properties.

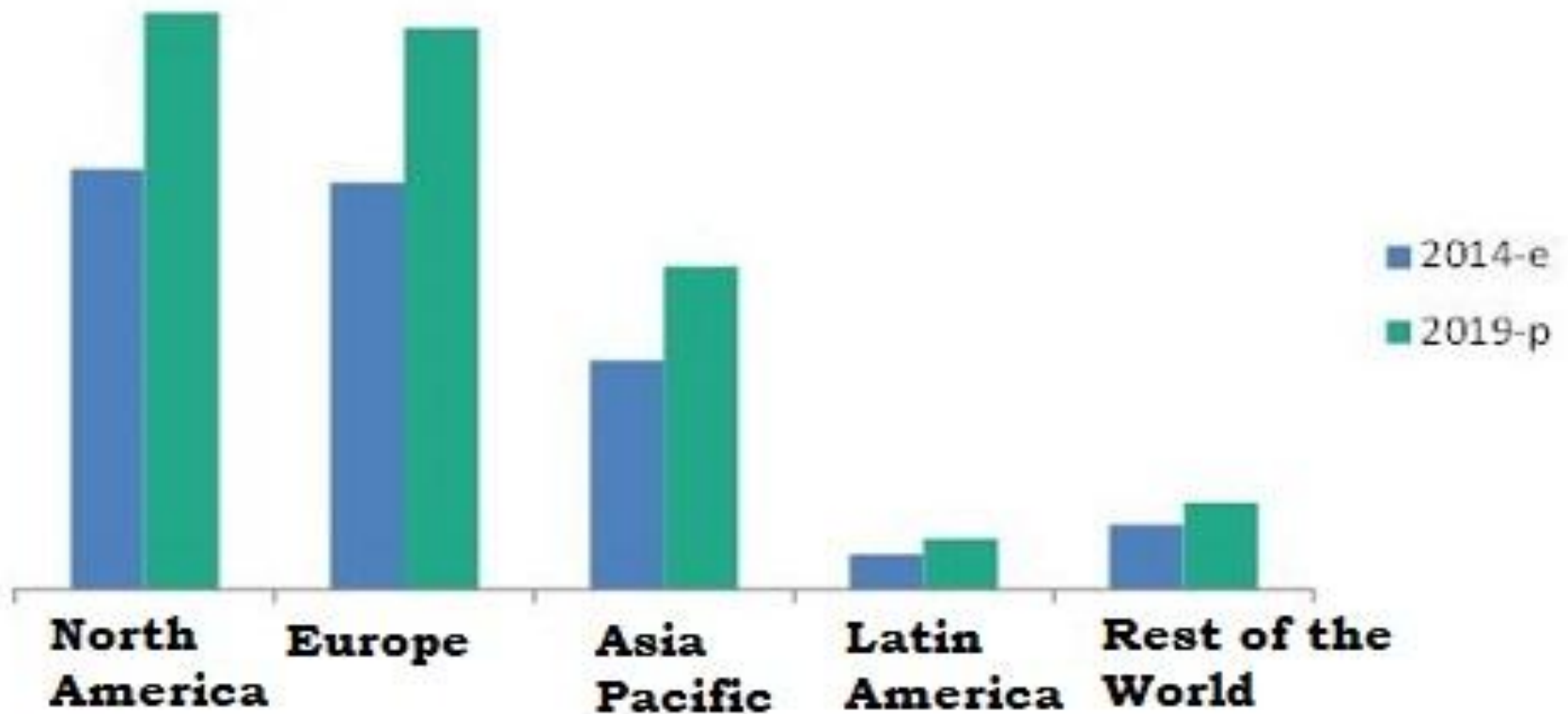
Market Outlook

Gum arabic is a natural emulsifier and a stabiliser made from the branches of acacia senegal and acacia seyal trees. Commercial gum farms are most popular in Sudan, Chad and Nigeria. It is an oligopoly market where Sudan accounts for about 80 percent of global gum arabic production. Trade of gum Arabic is one of the vital importance to Sub-Saharan African countries' economic environment. There is a high demand in North America, Western Europe and Eastern Europe while North America is the largest importer of gum Arabic. In Western Europe France, U.K. and Germany are the major re-exporter of processed gum. Gum Arabic consist of soluble dietary fiber, it also acts as probiotics in food and beverage industry. Gum Arabic has a higher demand in each year owing to wide industrial uses ranging from food industry to painting industry.

On the basis of type, the market has been segmented into Senegalia Senegal gum and Vachellia Seyal gum. On the basis of application, the gum arabic market has been segmented into confectionery, sauces and dressings, bakery products, dairy products, and beverage products, among others. According to functions, the gum arabic market has been categorized into thickener, fat replacer, stabilizer, gelling agent, coating agent, and texturant.



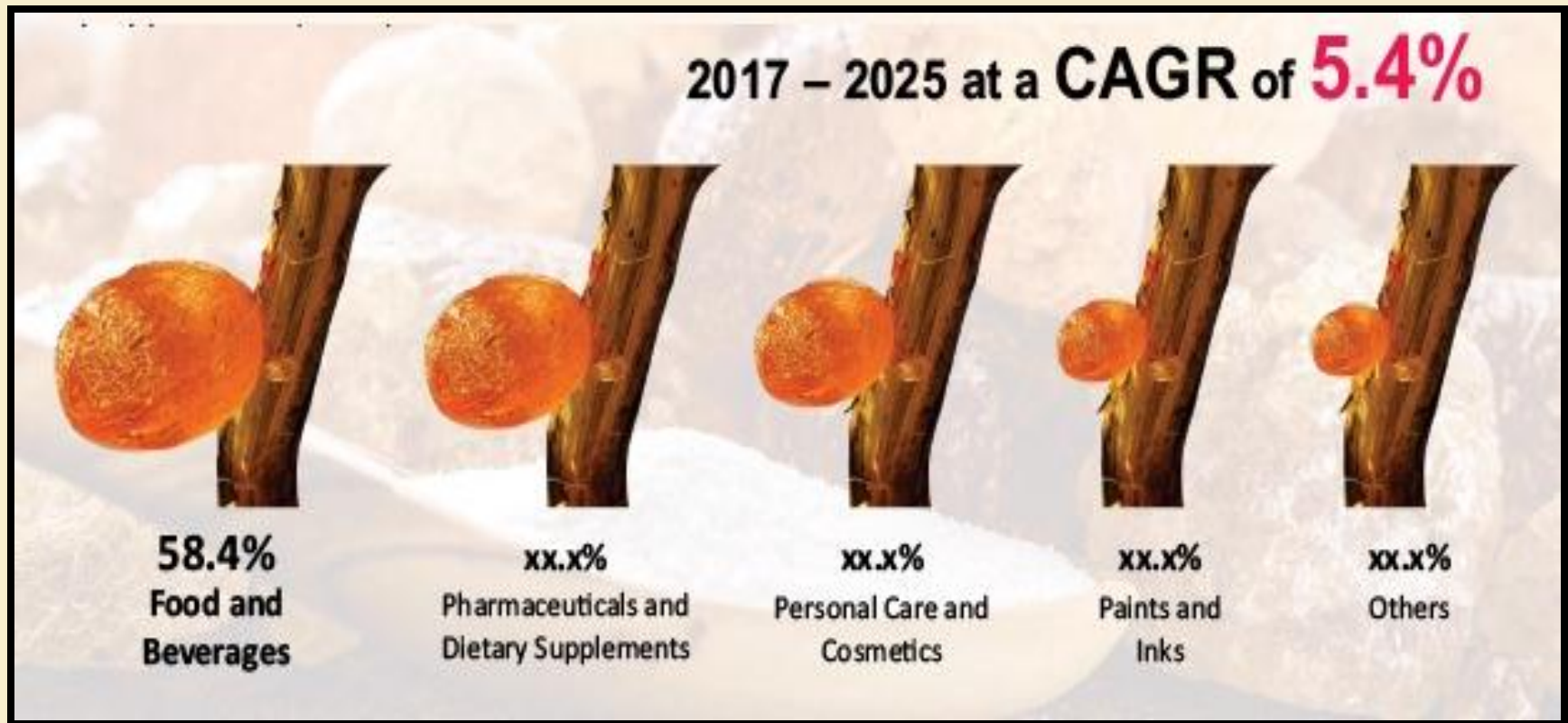
Gum Arabic Market Size, by Region, 2014 & 2019 (\$Million)



The gum arabic market is fueled by rising demand in end-user industries, especially food & beverages, pharmaceuticals, and textiles. Additionally, major shift from synthetic chemicals and materials toward naturally sourced products is anticipated to increase demand for gum arabic in the food & beverages industry.



Global Gum Arabic Market Value Share (%), By Application (2017)



Food and beverages segment expected to register a high CAGR in the APAC Gum Arabic market over the forecast period

The Global Gum Arabic market is segmented into North America, Europe, Asia Pacific, and rest of the world (ROW). Rest of the world mainly North African region has the major market share followed by Asia Pacific. Majority of gum arabic produced in Sudan which is located in North African region. Gum arabic is the second export commodity and playing major role in economy of Sudan. Gum arabic from Sudan is produced from Acacia Senegal species. Plantations and naturally regenerated stands are owned by individuals, government or cooperative bodies in Sudan. From last few years gum production in India and China has increased at significant rate which is supporting the market growth in Asia Pacific region.



Increasing demand for easily soluble Gum Arabic among consumers in the global market is encouraging manufacturers to develop and produce new formulations such as instant soluble Gum Arabic. Instant soluble Gum Arabic solution is used in dry spray preparations for powder encapsulation, which is a technique that helps in the encapsulation of flavors, aromas, and colors. This increasing use of soluble Gum Arabic in beverages is anticipated to boost the food and beverages segment during the period of assessment.



- **The market's revenues, split into acacia senegal and acacia seyal (Vachellia), exhibit that the former type of gum arabic will dominate with greater revenue share, while consumption of the latter gum arabic will remain higher throughout the forecast period**
- **By 2025-end, over US\$ 270 Mn worth of acacia senegal will be sold in the world, while acacia seyal will witness consumption of more than 90 thousand tons**
- **Food and beverage will remain the largest application of gum arabic throughout the forecast period; procuring close to 60% share over global revenues**
- **Demand for gum arabic in pharmaceutical applications is also expected to gain traction, registering revenue growth at 5.6% CAGR**
- **North America's gum arabic market will witness impressive growth, registering a value CAGR of 6%**

- **In terms of revenues, Europe will be the largest market for gum arabic in the world, raking in more than US\$ 170 Mn by end of 2025**
- **Asia-Pacific, on the other hand, will showcase fastest revenue growth at 6.1% CAGR, accounting for sales of over 50 thousand tons of gum arabic towards the end of 2025**



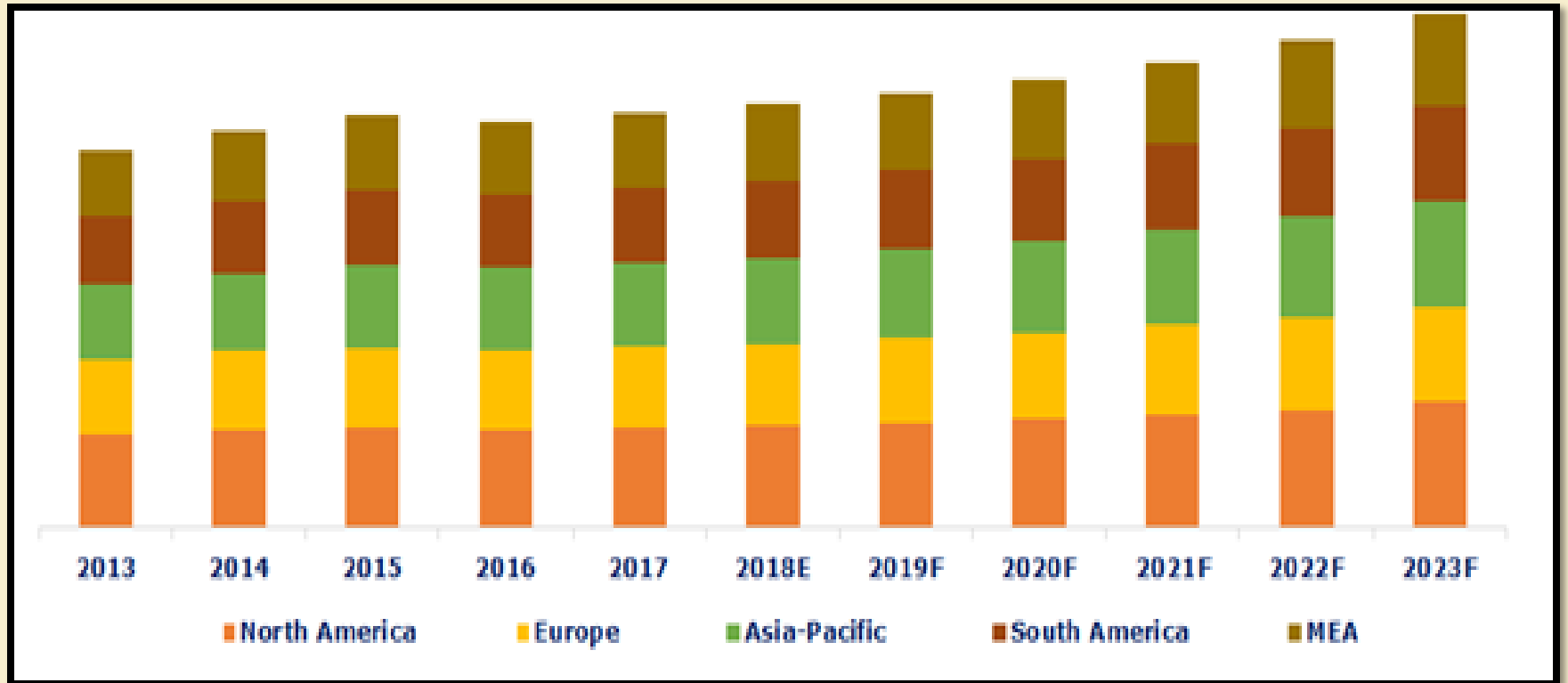
Demand for Gum Arabic for application as a natural binder in the bakery and confectionery industry is moderately high, and it represents no harm if consumed, unlike artificial or synthetic binders. Gum Arabic is broadly utilized in the food and beverages industry as an emulsifier in various product applications. Gum Arabic is steady in low pH conditions and is a moderately essential element for refreshments. Likewise, it displays low consistency properties in water and different fluids without evolving mouthfeel, flavor or texture of the original beverages. These advantages are encouraging key players in the global food and beverages industry to receive and increase applications of Gum Arabic in different food products.

Consumption of gum arabic has increased owing to its high dietary fiber content which aids in healthy digestion and bowel movement. Gum arabic could benefit patients suffering from constipation and irregular bowel movement. Moreover, increasing number of gum arabic manufacturers are focusing on securing regulatory clearance for inclusion of this emulsifier as an ingredient in food products. Powder encapsulation, which will remain to be one of the most instrumental production procedure in pharmaceutical industry. Colorless, tasteless, odorless, and high water-solubility are key properties of instantly-soluble gum arabic, which are benefiting the encapsulation of flavors, aromas and colors in powdered form.

Global Gum Arabic Market is projected to grow at the CAGR of 5.6%. Growing demand for gum arabic from food industry is driving the growth of gum arabic market.

The changing consumer demands and preferences have influenced the food and beverage industry in terms of product differentiation, especially in the choice of food ingredients. Gum arabic manufacturers experience intense competition because of low product differentiation. Manufacturers in the market compete based on price, distribution, and quality or grade of gum arabic. The global gum arabic market is highly fragmented due to the presence of large global players that have a vast geographical presence with huge production facilities. The demand for gum arabic is increasing rapidly because of factors such as the growing demand for vegetarian alternatives to food additives and growing application of gum arabic in bakery and confectionery products.

Global Gum Arabic Market Size, By Region, By Value, 2013 – 2023F



Machinery Photographs



Feed Conveyor



Magnet



Rectangle Screener



Arabic Gum Pickling Line

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	57.50	57.50	Capital	0.00	90.20	90.20
Buildings	0.00	93.90	93.90	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	81.93	81.93	Other Type Share			
Motor Vehicles	0.00	8.00	8.00	Capital	0.00	0.00	0.00
Office Automation Equipments	0.00	20.50	20.50	Reserves & Surplus	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	10.00	10.00	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	5.00	5.00	Long/Medium Term Borrowings	0.00	270.61	270.61
Provision for Contingencies	0.00	7.50	7.50	Debentures / Bonds	0.00	0.00	0.00
Margin Money - Working Capital	0.00	76.48	76.48	Unsecured Loans/Deposits	0.00	0.00	0.00
TOTAL	0.00	360.81	360.81	TOTAL	0.00	360.81	360.81

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	6.11	9.14	16.11	24.00	0.00	100.00	6.11	0.00	6.11	1.00	0.00
2-3	8.87	11.52	24.98	18.00	0.00	100.00	8.87	0.00	8.87	1.00	0.00
3-4	11.68	14.00	36.66	12.00	0.00	100.00	11.68	0.00	11.68	1.00	0.00
4-5	14.40	16.44	51.06	6.00	0.00	100.00	14.40	0.00	14.40	1.00	0.00
5-6	17.00	18.80	68.06	0.00	0.00	100.00	17.00	0.00	17.00	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	1.34	1.34		1.49	1.49	5.34	4.15%	2.04%	1.38%	340.93	8.52%	4.38	1.08	
2-3	1.64	1.48		0.72	0.72	3.59	4.52%	2.64%	1.71%	397.74	8.52%	4.55	1.14	
3-4	2.01	1.64	2.01	0.33	0.33	2.56	4.77%	3.09%	1.97%	454.56	8.52%	4.56	1.22	
4-5	2.46	1.82		0.12	0.12	1.92	4.94%	3.41%	2.16%	511.38	8.52%	4.48	1.30	
5-6	2.98	2.01		0.00	0.00	1.50	5.04%	3.63%	2.30%	568.20	8.52%	4.36	1.47	

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	54.48%
Total BEP (% of Installed Capacity)	57.34%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	28.64%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	37.040

Major Queries/Questions Answered in the Report?

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

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

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

10. What are the requirements of raw material for setting up Arabic Gum Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Arabic Gum Manufacturing Business?

12. What is the Manufacturing Process of Arabic Gum?



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

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

19. What are Statistics of Import & Export for Arabic Gum?

20. What is the time required to break-even of Arabic Gum Manufacturing Business?

21. What is the Break-Even Analysis of Arabic Gum Manufacturing plant?

22. What are the Project financials of Arabic Gum Manufacturing Business?

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

- 27. What are the Market Opportunities for setting up Arabic Gum Manufacturing plant?**
- 28. What is the Market Study and Assessment for setting up Arabic Gum Manufacturing Business?**
- 29. What is the Plant Layout for setting up Arabic Gum Manufacturing Business?**

Table of Contents of the Project Report



1. PROJECT LOCATION

- 1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
 - 1.1.1. General
 - 1.1.2. Physical Characteristics
 - 1.1.3. Climate
 - 1.1.4. Map
 - 1.1.5. Economy
 - 1.1.6. Major Industries
 - 1.1.7. Transportation and Communications

2. INTRODUCTION

3. HISTORY OF GUM ARABIC

4. SOURCES OF GUM ARABIC

- 4.1. HABITAT
- 4.2. GUM SPECIES
- 4.3. COMPARISON BETWEEN ACACIA GUMS

5. USES AND APPLICATION

- 5.1. USES
- 5.2. INDUSTRIAL APPLICATIONS

6. BENEFITS

7. COMPOSITION AND STRUCTURE

- 7.1. AVERAGE COMPOSITION

- 7.2. CHEMICAL COMPOSITION AND STRUCTURE
- 7.3. STRUCTURE OF THE GUM ARABIC

8. GRADES OF GUM ARABIC

9. PROPERTIES

- 9.1. CHEMICAL PROPERTIES
- 9.2. PHYSICOCHEMICAL PROPERTIES
- 9.3. EMULSIFYING PROPERTIES
- 9.4. FILM-FORMING

10. GUM ARABIC QUALITY

- 10.1. QUALITY CONTROL

11. CHEMICAL TESTS

12. B.I.S. SPECIFICATION

- 12.1. IS: 6795 – 2007 ACACIA (ARABIC) GUM, FOOD GRADE – SPECIFICATION (FIRST REVISION)

13. MARKET SURVEY

- 13.1. GUM ARABIC
- 13.2. GUM ARABIC MARKET SIZE
- 13.3. GLOBAL GUM ARABIC MARKET
- 13.4. KEY PLAYERS

14. EXPORT & IMPORT: ALL COUNTRIES

- 14.1. EXPORT: ALL COUNTRIES FOR GUM ARABIC

14.2. IMPORT: ALL COUNTRIES FOR GUM ARABIC

15. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

15.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE

15.2. PROFITS & APPROPRIATIONS

15.3. TOTAL LIABILITIES

15.4. TOTAL ASSETS

15.5. NET CASH FLOW FROM OPERATING ACTIVITIES

15.6. SECTION – I

15.6.1. Name of Company with Contact Details

15.6.2. Name of Director(S)

15.6.3. Credit Ratings

15.6.4. Plant Capacity

15.6.5. Location of Plant

15.6.6. Name of Raw Material(S) Consumed With Quantity & Cost

15.7. SECTION – II

15.7.1. Assets

15.7.2. Cash Flow

15.7.3. Cost as % Ge of Sales

15.7.4. Growth in Assets & Liabilities

15.7.5. Growth in Income & Expenditure

15.7.6. Income & Expenditure

15.7.7. Liabilities

15.7.8. Liquidity Ratios

15.7.9. Profitability Ratio

15.7.10. Profits

15.7.11. Return Ratios

15.7.12. Structure of Assets & Liabilities (%)

15.7.13. Working Capital & Turnover Ratios

16. COMPANY PROFILE OF MAJOR PLAYERS

17. EXPORT & IMPORT STATISTICS DATA OF INDIA

17.1. EXPORT STATISTICS DATA FOR GUM ARABIC

17.2. IMPORT STATISTICS DATA FOR GUM ARABIC

18. PRESENT MANUFACTURERS

19. HARVESTING AND COLLECTION

19.1. GUM EXUDATION

19.2. YIELDS

19.3. QUALITY CONTROL

20. MANUFACTURING PROCESS

20.1. SPRAY DRYING PLANT

20.2. FEATURES OF SPRAY DRYER

20.3. PARAMETERS INFLUENCE SIZING PERFORMANCE

20.4. VITAL COMPONENTS OF SPRAY DRYER

21. PROCESS FLOW DIAGRAM

22. SUPPLIERS OF PLANT & MACHINERY

23. SUPPLIERS OF RAW MATERIAL

24. PHOTOGRAPHS/IMAGES FOR REFERENCE

- 24.1. PRODUCT PHOTOGRAPHS
- 24.2. MACHINERY PHOTOGRAPHS
- 24.3. RAW MATERIAL PHOTOGRAPHS

25. PLANT LAYOUT

26. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER

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

Tags

Arabic Gum, Gum Arabic, Gum Arabic Production, Gum Arabic Uses, Gum Arabic Processing, Production of Gum Arabic, Arabic Gum Manufacturing, Acacia Gum Production, Producing Gum Arabic, Production of Gum, Gum Arabic & Acacia Manufacture, Arabic Gum Manufacture, Gum Arabic Processing, Gum Arabic Processing Plant, Gum Arabic Production Process, Gum Arabic Processing Business, Gum Arabic Processing Company, Gum Arabic Manufacturing Plant, Gum Arabic Production Project, Acacia Gum (Gum Arabic), Process for Producing Gum Arabic, Gum Arabic Manufacturing Unit, Investment Opportunities in Production of Gum Arabic, Gum Arabic Factory, Project Report on Gum Arabic Manufacturing Industry, Detailed Project Report on Gum Arabic Production, Project Report on Gum Arabic Manufacturing, Pre-Investment Feasibility Study on Gum Arabic Manufacturing, Techno-Economic feasibility study on Arabic Gum Production, Feasibility report on Gum Arabic Production, Free Project Profile on Arabic Gum Production, Project profile on Gum Arabic Manufacturing, Download free project profile on Arabic Gum 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.



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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](#)



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Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company



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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