

and Lemon Oil

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 lemon is a small evergreen tree (Citrus limon) originally native to Asia and is also the name of the tree's oval yellow fruit. The fruit is used for culinary and non-culinary purposes throughout the world primarily for its juice, though the pulp and rind (zest) are also used, mainly in cooking and baking. Lemon is about 5% (approximately 0.3 mole per litre) citric acid, which gives lemons a sour taste, and a pH of 2 to 3.



This makes lemon juice an inexpensive, readily available acid for use in educational science experiments. Because of the sour flavor, many lemon-flavored drinks and candies are available, including lemonade and sour heads.

Lemons are used to make lemonade, and as a garnish for drinks. Lemon zest has many uses. Many mixed, soft drinks, iced tea, and water is often served with a wedge or slice of lemon in the glass or on the rim. The average lemon contains approximately 3 tablespoons of juice.



Fish are marinated in lemon juice to neutralize the odor. Lemon juice, alone or in combination with other ingredients, is used to marinate meat before cooking. Lemons, alone or with oranges, are used to make marmalade. The grated rind of the lemon, called lemon zest, is used to add flavor to baked goods, puddings, rice and other dishes. Pickled lemons are a Moroccan delicacy. Numerous lemon liqueurs are made from lemon rind.



Apart from the juice, the essential oil extracted by steam distillation is an important product from the fruit. Lemon oil is highly beneficial for medicinal purposes. The main chemical components of lemon oil are a-pinene, camphene, b-pinene, sabinene, myrcene, a-terpinene, linalool, b-bisabolene, limonene, Trans-a- bergamotene, nerol and neral.



Cost Estimation:

Capacity : 19 MT/Lemon Powder per Annum 13500

Nos. Bottles Oil each

Bottle 500 Ml. Per

Annum

Plant & Machinery : 141 Lakhs

Cost of Project : 290 Lakhs

Rate of Return : 43%

Break Even Point : 49%



Major Queries/Questions Answered in the Report?

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



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



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Dry Lemon Powder and Lemon Oil plant?
- 10. What are the requirements of raw material for setting up a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Dry Lemon Powder and Lemon Oil plant?
- 12. What is the Manufacturing Process and Formulations of a Dry Lemon Powder and Lemon Oil plant?



- 13. What is the total size of land required for setting up a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 14. What will be the income and expenditures for a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 15. What are the Projected Balance Sheets of a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 16. What are the requirement of utilities and overheads for setting up a Dry Lemon Powder and Lemon Oil Manufacturing plant?



- 18. What is the Built up Area Requirement and cost for setting up a Dry Lemon Powder and Lemon Oil Manufacturing Business?
- 18. What are the Personnel (Manpower) Requirements for setting up a Dry Lemon Powder and Lemon Oil Manufacturing Business?
- 19. What are Statistics of Import & Export for Dry Lemon Powder and Lemon Oil?
- 20. What is the time required to break-even?
- 21. What is the Break-Even Analysis of a Dry Lemon Powder and Lemon Oil Manufacturing plant?



- 22. What are the Project financials of a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 23. What are the Profitability Ratios of a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 24. What is the Sensitivity Analysis-Price/Volume of a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 25. What are the Projected Pay-Back Period and IRR of a Dry Lemon Powder and Lemon Oil Manufacturing plant?



- 26. What is the Process Flow Sheet Diagram of a Dry Lemon Powder and Lemon Oil project?
- 27. What are the Market Opportunities for setting up a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 28. What is the Market Study and Assessment for setting up a Dry Lemon Powder and Lemon Oil Manufacturing plant?
- 29. What is the Plant Layout for setting up a
 Dry Lemon Powder and Lemon Oil
 Manufacturing Business?





> PROJECT LOCATION

- 1.1. District Profile & Geotechnical Site Characterization
- 1.1.1. General
- 1.1.2. Location & Geographical Area
- 1.1.3. Topography
- 1.1.4. Administrative set up
- 1.1.5. Map
- 1.1.6. Industry at a Glance



> INTRODUCTION

- 1.2. Varieties
- > NUTRITIONAL VALUE
- > LEMON ESSENTIAL OIL
- > USES OF LEMON OIL
- > CHEMICAL COMPOSITION



- > PROPERTIES OF LEMON OIL
- > MARKET SURVEY
- > INDUSTRY SEGMENTATION
- 1.3. Flavors
- 1.4. Fragrances



> EXPORT & IMPORT STATISTICS DATA OF INDIA

- 1.5. Export Statistics Data on Lemon Powder
- 1.6. Import Statistics Data On Lemon Powder
- 1.7. Export Statistics Data on Lemon Oil
- 1.8. Import Statistics Data on Lemon Oil
- > PRODUCT DESCRIPTION
- > DEHYDRATED LEMON POWDER



- > MANUFACTURING PROCESS FOR LEMON POWDER
- MANUFACTURING PROCESS FOR LEMON OIL
- PROCESS FLOW DIAGRAM
- > HAZARD ANALYSIS CRITICAL CONTROL POINT (HACCP)



- > SUPPLIERS OF RAW MATERIAL
- > PLANT LAYOUT
- > MACHINERY, RAW MATERIAL & PRODUCT PHOTOGRAPHS
- 1.9. Machinery Photographs
- 1.10. Raw Material Photographs
- 1.11. Product Photographs



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 & Machinery5 Indigenous Machineries	
	Other Machineries (Miscellaneous, Laboratory etc.)	
•	Other Fixed Assets6	
	Furniture & Fixtures	
	Pre-operative and Preliminary Expenses	
	Technical Knowhow	
	Provision of Contingencies	
•	Working Capital Requirement Per Month7	
	Raw Material	
	Packing Material	
	Lab & ETP Chemical Cost	
	Consumable Store	



•	Overheads Required Per Month and Per Annum
•	Salary and Wages9
•	Turnover Per Annum10
•	Share Capital11
	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-inprocess
- 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 Dry Lemon Powder and Lemon Oil" provides an insight into the Dry Lemon Powder and Lemon Oil market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Dry Lemon Powder and Lemon Oil project. The report assesses the market sizing and growth of the Indian Dry Lemon Powder and Lemon Oil 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 Dry Lemon Powder and Lemon Oil sector in India along with its business prospects. Through this report we have identified Dry Lemon Powder and Lemon Oil project as a lucrative investment avenue.



Tags

Lemon Powder Making Process, Lemon Powder Making Machine, Lemon Powder Plant, Lemon Powder Manufacture in India, Lemon Powder Making Machine India, Lemon Processing Plants in India, Dried Lemon Powder Manufacture, Lime Powder Production Process, Production of Commercial Dried Lime Powder, Agro Processing of Citrus Fruit, Lemon Powder Manufacture, How to Make Lemon Powder, Dry Lemon Powder and Lemon Oil Manufacturing Plant, Lemon Powder Machine, Dry Lemon Powder Production Line, Lemon Powder Manufacturing Plant, Small Scale Lime Powder Processing, Lemon Oil Extraction Machine, Lemon Oil Extraction Process, Business Plan for Lemon Oil Production, Most Profitable Lemon Oil Extraction Business Ideas, Production of Essential Oil from Lemongrass, Lemongrass Oil Manufacturing, Lemon Oil Manufacture, How to Extract Oil from Lemongrass, Process For Preparing Lemon Oil, Project Report on Lemon Oil from Lemon, Report on Lemon Oil Production, How to Make Lemon Powder Commercially, How to Start Lemon Powder Production in India, Small Scale Lemon Oil Production Projects, Starting Lemon Powder Manufacturing Business, Lemon Processing Unit, Business Plan for Lemon Processing, Small-Scale Fruit and Vegetable Processing, Lime Farming, Citrus Farming Guide, Lemon Oil Manufacturing, Lemon Powder Manufacturing Project Ideas, Projects on Small Scale Industries, Small Scale Industries Projects Ideas, Lemon Oil Manufacturing Based Small Scale Industries Projects, Project Profile on Small Scale Industries,



Tags

How to Start Lemon Powder Manufacturing Industry in India, Lemon Oil Manufacturing Projects, New Project Profile on Lemon Oil Manufacturing Industries, Project Report on Lemon Oil Manufacturing Industry, Detailed Project Report on Lemon Powder Manufacturing, Project Report on Lemon Oil Manufacturing, Pre-Investment Feasibility Study on Lemon Oil Manufacturing, Techno-Economic Feasibility Study on Lemon Processing, Feasibility Report on Lemon Oil Manufacturing, Free Project Profile on Lemon Processing, Project Profile on Lemon Powder Manufacturing, Download Free Project Profile on Lemon Processing, Industrial Project Report, Project Consultant, Project Consultancy, Npcs, Niir, Process Technology Books, Business Consultancy, Business Consultant, Project Identification and Selection, Preparation of Project Profiles, Startup, Business Guidance, Business Guidance to Clients, Startup Project for Lemon Powder Manufacturing, Startup Project, Startup Ideas, Project for Startups, Startup Project Plan, Business Start-Up, Business Plan for Startup Business, Great Opportunity for Startup, Small Start-Up Business Project, 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, Detailed Project Plan Reports



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

Dry Lemon Powder and Lemon Oil

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

See more

https://goo.gl/q5EBLO https://goo.gl/ujWkva https://goo.gl/Y8pyqs





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



Free Instant Online Project Identification & Selection Search Facility

Selection process starts with the generation of a product idea. In order to select the most promising project, the entrepreneur needs to generate a few ideas about the possible projects.

Here's we offer a best and easiest way for every entrepreneur to searching criteria of projects on our website www.entrepreneurindia.co that is "Instant Online Project

Identification and Selection"



NPCS Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.

Click here to go

http://www.entrepreneurindia.co/project-identification



Contact us

Niir Project Consultancy Services

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u>, <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Website: <u>www.entrepreneurindia.co</u>, <u>www.niir.org</u>

Take a look at NIIR PROJECT CONSULTANCY SERVICES on

#StreetView

https://goo.gl/VstWkd





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
- \circ NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- Educational Institutions
- Embassies & Consulates
- Consultancies
- Industry / trade associations



Sectors We Cover

- O Ayurvedic And Herbal Medicines, Herbal Cosmetics
- Alcoholic And Non Alcoholic Beverages, Drinks
- O 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
- O 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)
- O 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
- O Disinfectants, Pesticides, Insecticides, Mosquito Repellents,
- Electrical, Electronic And Computer based Projects
- O 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
- O 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
- O Organic Farming, Neem Products Etc.



Sectors We Cover cont...

- O Paints, Pigments, Varnish & Lacquer
- O Paper And Paper Board, Paper Recycling Projects
- Printing Inks
- Packaging Based Projects
- Perfumes, Cosmetics And Flavours
- O Power Generation Based Projects & Renewable Energy Based

Projects

- Pharmaceuticals And Drugs
- Plantations, Farming And Cultivations
- O Plastic Film, Plastic Waste And Plastic Compounds
- O Plastic, PVC, PET, HDPE, LDPE Etc.



Sectors We Cover Cont...

- Potato And Potato Based Projects
- Printing And Packaging
- O 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



Contact us

Niir Project Consultancy Services

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u>, <u>info@entrepreneurindia.co</u>

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Website: <u>www.entrepreneurindia.co</u>, <u>www.niir.org</u>

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://plus.google.com/+EntrepreneurIndiaNewDelhi



>https://twitter.com/npcs_in



https://www.pinterest.com/npcsindia/



