Menthol Crystal and Mentha Oil Manufacturing Industry.

Minting Money with Mint Oil.

Extraction of Mentha Oil & Crystal from Mint Leaves
Menthol crystals are a natural product, cool and refreshing and smelling of mint. Menthol is a compound derived from the extraction of oil from mint and was formerly known as peppermint camphor. Menthol crystals work well in any product needing a strong flavor and the ability to relieve pain and soothe the body.
Uses

Menthol's crystals are used in cosmetics, lip balms, creams, toothpaste, mouth fresheners, cough drops and shampoos. Menthol crystals relieve muscle pains, working as an analgesic. Menthol can clear up coughing and breathing problems. Menthol crystals' ability to dissolve in alcohol and oil and their strong smell make them a desirable product for home fragrances and perfumes.
Mentha Oil

Mentha Oil is a colorless or pale yellow, clear liquid. It has a characteristic, pleasant aroma and has a pungent taste, followed by a cool aftertaste. It is practically insoluble in water.

General Characteristics

- Mentha oil is obtained by steam distillation of Mentha arvensis leaves.
- Mentha oil and its constituents and derivatives are used in food, pharmaceutical and perfumery and flavouring industry.
- Menthol is the main constituent of mentha oil and slow cooling through refrigeration, crystallization, centrifugation and drying is done to obtain it. It is used in the manufacture of lozenges, toothpastes, pain balms, cold balms etc.
- Mentha is widely cultivated in India and its leaves are used in making sauces/chatni in most households.
Mentha oil is one of the important essential oils and is extracted from herb Mentha arvensis through distillation process. It is widely used in food and flavourings. In addition to being a popular flavoring agent in food and confectionery preparation, natural menthol has cooling and soothing effect on skin and mucous membrane of human body, making it a useful ingredient in pharmaceuticals and cosmetics industry.

India is the second largest country in production of mints and its derivatives. India is exporting mints and its derivatives throughout the world worth Rs. 60-70 crores annually.
The consumption pattern of mentha in India has made it an important crop. Mentha in India has reached out to almost all households and has made a major impact because of the qualities present in it. In fact, India is the leading consumer of mentha and mentha oil. Sauces are made from mentha leaves. Increasing rate of production of mentha oil has made India the largest producer and exporter in the world. The mint oil production in India hovers around 45000 tons and exports around 30000 tons annually.
India exports different types of mint oil to countries including China, the U.S., Singapore, the Netherlands, Germany, the UK, France, Brazil and Japan. The major export varieties include the Japanese mint oil (derived from Mentha arvensis), peppermint oil (Mentha pipertia), dementholized Japanese mint oil, spearmint (Mentha spicata), water mint oil (Mentha aquatica), horsemint oil (Mentha sylvestries), and Bergemont oil (Mentha citrate). India has produced 29,000 tonnes mentha oil in 2015-16 and opening stock was guessed at 15,000 with total seasonal availability at 44,000 tonnes.
The global demand for mentha oil can be attributed to the increased usage of mentha oils owing to the high demand for fragrances in personal care products such as cosmetics, oral care, pharmaceuticals, cigarettes, and flavoring segments. The growing consumer preference for natural and organic personal care products due to increasing awareness regarding the potential side effects of inorganic products is expected to further fuel the growth of this market.
The increasing demand for natural and organic personal care products is a key growth driver for the mentha oil market. The popularity of organic and natural products has increased due to rising awareness of adverse effects of chemical-based products and the health benefits of using organic products. Organic and natural personal care products are made using natural ingredients, which includes mentha oil because of its characteristics of being a denaturant, flavoring agent, and fragrance ingredient.
Machinery Photographs

EC100 essential oil distillation unit

control panel
Distillation basket

distillation tank inside
## Project at a Glance

### Project At a Glance

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
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### Cost of Project

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## Project at a Glance

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## Project at a Glance

### BEP

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<td>Total BEP (% of Installed Capacity)</td>
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<td>IRR, PAYBACK and FACR</td>
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<td>Fixed Assets Coverage Ratio ( No. of times )</td>
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1. What is Menthol Crystal & Oil Manufacturing industry?

2. How has the Menthol Crystal & Oil Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Menthol Crystal & Oil Manufacturing Plant?

4. What are the requirements of Working Capital for setting up Menthol Crystal & Oil Manufacturing plant?
5. What is the structure of the Menthol Crystal & Oil Manufacturing Business and who are the key/major players?

6. What is the total project cost for setting up Menthol Crystal & Oil Manufacturing Business?

7. What are the operating costs for setting up Menthol Crystal & Oil Manufacturing plant?

8. What are the machinery and equipment requirements for setting up Menthol Crystal & Oil Manufacturing plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Menthol Crystal & Oil Manufacturing plant?

10. What are the requirements of raw material for setting up Menthol Crystal & Oil Manufacturing plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Menthol Crystal & Oil Manufacturing Business?

12. What is the Manufacturing Process of Menthol Crystal & Oil?
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19. What are Statistics of Import & Export for Menthol Crystal & Oil?

20. What is the time required to break-even of Menthol Crystal & Oil Manufacturing Business?

21. What is the Break-Even Analysis of Menthol Crystal & Oil Manufacturing plant?

22. What are the Project financials of Menthol Crystal & Oil Manufacturing Business?
23. What are the Profitability Ratios of Menthol Crystal & Oil Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Menthol Crystal & Oil Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Menthol Crystal & Oil Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Menthol Crystal & Oil Manufacturing project?
27. What are the Market Opportunities for setting up Menthol Crystal & Oil Manufacturing plant?

28. What is the Market Study and Assessment for setting up Menthol Crystal & Oil Manufacturing Business?

29. What is the Plant Layout for setting up Menthol Crystal & Oil Manufacturing Business?
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1.1.5. Economy
1.1.6. Major Industries
1.1.7. Transportation and Communications

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4. USES AND APPLICATIONS

5. MARKET SURVEY

6. EXPORT & IMPORT: ALL COUNTRIES

7. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

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7.3. TOTAL LIABILITIES
7.4. TOTAL ASSETS
7.5. NET CASH FLOW FROM OPERATING ACTIVITIES
7.6. SECTION – I
7.6.1. Name of Company with Contact Details
7.6.2. Name of Director(S)
7.6.3. Credit Ratings
7.6.4. Plant Capacity
7.6.5. Location of Plant
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7.7.1. Assets
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7.7.4. Growth in Assets & Liabilities
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10. MANUFACTURING PROCESS

11. PROCESS FLOW DIAGRAM

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13. SUPPLIERS OF RAW MATERIAL

14. SUPPLIERS OF PLANT & MACHINERY

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   15.1. PRODUCT PHOTOGRAPHS
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17. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER
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  Packing Material
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  Consumable Store
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<td>Preference Share Capital</td>
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• Annexure 2 :: Profitability and Net Cash Accruals

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- Expenses/Cost of Products/Services/Items
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- Financial Charges
- Total Cost of Sales
- Net Profit After Taxes
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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.
The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Menthol Crystal & Oil.” provides an insight into Menthol Crystal & Oil market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Menthol Crystal & Oil project. The report assesses the market sizing and growth of the Indian Menthol Crystal & 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:
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 Menthol Crystal & Oil sector in India along with its business prospects. Through this report we have identified Menthol Crystal & Oil project as a lucrative investment avenue.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Menthol Crystal and Mentha Oil Manufacturing Industry.

Minting Money with Mint Oil.
Extraction of Mentha Oil & Crystal from Mint Leaves

See more

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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.

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

- Good Present/Future Demand
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- Raw Material & Manpower Availability
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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.

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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
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