Bleaching Earth Manufacturing Business.
Production of Bleaching Clay

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Bleaching earths are generally composed of up to three types of clay minerals: bentonite, attapulgite and sepiolite. The minerals act as absorbers with capacity being dependent on mineralogical structure and properties, such as surface area, particle size distribution, porosity and surface activity.

Bentonites are a soft stone with the capacity to absorb substances dissolved in water and other liquids. The minerals have been formed over time due to the natural adaptation of volcanic ash. Bleaching earths are found in mines around the world, including North America, South America, Europe, the Middle East and Asia.
It is widely used in the refining, decolorizing and bleaching of edible oil & fats. Major demand has been experienced from Asian countries such as Indonesia, Malaysia, China, and India. Favorable government regulations and policies in these countries have had a positive influence on the market growth.

The growing acreage yield of oil seed crop and technological developments in the production process have remained key driving forces for the vegetable oil & fat industry. Growing demand for biofuel which is derived from vegetable oil is also one of the factors influencing the demand of activated bleaching earth in this industry, particularly in the developed countries.
**Major Applications:**

- **Purification of Edible Oil:** Soya Bean Oil, Cotton Seed Oil, Palm Oil, Rapseed Oil, Sunflower Oil, Safflower Oil, Rice Bran Oil, Corn Oil, Canola Oil, Olive Oil, Seasame Oil
- **Non Edible Oils:** Fish oil, lard oil, Fish wax, and Waste oil / used oil, Aluminum rolling oil, Waste edible oil, Biofuel etc.
- Used as Clay Catalyst in petroleum fractionating
- **Wax Refining:** Paraffin Wax, Vegetable Wax, Fish wax, Petroleum Jelly.
- Refining of Vegetable oils
- Refining of hydrogenated Vanaspati ghee oils, Margarine & shortening
- Refining of Animal Fats like tallow oil, fish oil, lard oil
- Refining of Mineral Oils like
- Insulating oil
- Rolling oil
- Lube oil
- Waste oil
- Industrial triglycerides and fatty acids used for paints, varnishes and soaps
- Paraffin and Waxes
- Reducing and controlling different oil parameters like Peroxide value, Anisidine value, and UV-absorption value. FFA contents etc.
- Other Applications like, Bleaching of Sulphur In Effluent treatment plants
Market Outlook

Bleaching earth is usually made up of montemillonite and bentonite clay, which are rich in aluminum and silicon content. They also contain magnesium, calcium, and iron. Bleaching earth is of two types: natural bleaching earth and acid activated bleaching earth. It can be categorized depending on the process employed to produce it. Natural bleaching earth is a clay that is mined, crushed, dried, ground, and sized. On the other hand, acid activated bleaching earth is produced using steps such as mining, crushing, acid treatment, washing, filtering, drying, grinding, and sizing. Bleaching earth is utilized in a number of industrial applications in the refining of vegetable, animal, mineral oil, etc.
Asia Pacific is a major region of the bleaching earth market, with high demand for the product from major vegetable producers such as Indonesia, Malaysia, Thailand, Philippines, China, India, etc.

Bleaching earths, used as part of the process that removes impurities from edible oils prior to final application, are a fast growing market that is estimated to be worth US$3.59bn by 2022. Demand for activated bleaching earth is projected to arise from Malaysia, Indonesia, China, and India on account of increasing production of vegetable oil in these countries. The growing responsiveness to biofuel which is derived from vegetable oil is also expected to have a positive influence on the market growth. Large amount of oil absorption during the refining of mineral or edible oil is expected to remain a key challenge for market participants.
The Global Activated Bleaching Earth Market is categorized on the basis of application. On the basis of application, the market is further segmented into edible oils, mineral oils, and others. Among these, edible oils segment holds the major share of the market due to the growing use of bleaching agents for the purification of vegetable oils and fats in the food industry. The increasing demand for bleaching earth in the heavy end industries such as oil & gas, petrochemicals, food & beverages has propelled the automotive segment to witness a higher growth in the market. In addition to, it is predicted that the mineral oils & lubricants segment is set to grow at a moderate rate in the market during the forecast period.
The Global Activated Bleaching Earth Market is spanned across five key regions of the world namely Asia Pacific, North America, Europe, Latin America, and the Middle East & Africa. Among these, Asia Pacific holds a major share of the global market and is expected to continue its dominance due to rising demand for bleaching earth in oil & gas, petrochemical industries, and others. These agents are widely used to improve the optimal performance and standard of oil in heavy end industries. Due to these factors, China, India, Indonesia and Malaysia are the major players in this region. The North American region is predicted to witness a higher CAGR in countries such as U.S.A., Canada and Mexico owing to growing demand for biocompatible materials in the automotive, construction and industrial machinery.
In terms of application, the bleaching earth market can be categorized into oil refining, decolorization, purification, and other applications. Currently, the market is dominated by the oil refining application segment, which is anticipated to continue its dominance during the forecast period. The segment is anticipated to expand at a rapid pace during the forecast period, due to the increasing demand for oil processing applications with increase in oil production, especially in Southeast Asian countries such as Indonesia, Malaysia, Thailand, Philippines, etc.
U.S. Activated Bleaching Earth Market Revenue by Application, 2012-2022, (USD Million)
Some of the major players functioning in the Global Activated Bleaching Earth Market are Clariant (Switzerland), Taiko Group of Companies (Malaysia), BASF SE (Germany), Ashapura Perfoclay Limited (APL) (India), Musim Mas Holdings (Singapore), The W group (Malaysia), Oil-Dri Corporation of America (U.S.A), 20 Microns Nano Minerals Limited (India), AMC (UK) Limited (the U.K.), among others.
Machinery Photographs

BOILER

HOPPER
CLASSIFIER

CYCLONE
## Project at a Glance

### Project at a Glance

<table>
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<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
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## Project at a Glance

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<th>Debt / Equity</th>
<th>Total Net Worth</th>
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<th>Asset Turnover Ratio</th>
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<td>Initial</td>
<td>Individu</td>
<td>(Number of times)</td>
<td>Cumulative Overall</td>
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## Project at a Glance

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<td><strong>Total BEP (% of Installed Capacity)</strong></td>
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<td><strong>Internal Rate of Return .. ( In %age )</strong></td>
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<td><strong>Payback Period of the Project is ( In Years )</strong></td>
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<td><strong>Fixed Assets Coverage Ratio ( No. of times )</strong></td>
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1. What is Bleaching Earth Manufacturing industry?

2. How has the Bleaching Earth Manufacturing industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Bleaching Earth Manufacturing Plant?

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

6. What is the total project cost for setting up Bleaching Earth Manufacturing Business?

7. What are the operating costs for setting up Bleaching Earth Manufacturing plant?

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

10. What are the requirements of raw material for setting up Bleaching Earth Manufacturing plant?

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

12. What is the Manufacturing Process of Bleaching Earth?
13. What is the total size of land required for setting up Bleaching Earth Manufacturing plant?

14. What will be the income and expenditures for Bleaching Earth Manufacturing Business?

15. What are the Projected Balance Sheets of Bleaching Earth Manufacturing plant?

16. What are the requirement of utilities and overheads for setting up Bleaching Earth Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Bleaching Earth Manufacturing Business?
18. What are the Personnel (Manpower) Requirements for setting up Bleaching Earth Manufacturing Business?

19. What are Statistics of Import & Export for Bleaching Earth?

20. What is the time required to break-even of Bleaching Earth Manufacturing Business?

21. What is the Break-Even Analysis of Bleaching Earth Manufacturing plant?

22. What are the Project financials of Bleaching Earth Manufacturing Business?
23. What are the Profitability Ratios of Bleaching Earth Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Bleaching Earth Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Bleaching Earth Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Bleaching Earth Manufacturing project?
27. What are the Market Opportunities for setting up Bleaching Earth Manufacturing plant?

28. What is the Market Study and Assessment for setting up Bleaching Earth Manufacturing Business?

29. What is the Plant Layout for setting up Bleaching Earth Manufacturing Business?
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1.1. District Profile & Geotechnical Site Characterization
1.1.1. General
1.1.2. Geography
1.1.3. Map
1.1.4. Transportation
1.1.5. Economy and Industries
1.1.6. Climate

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3. CLAYS AND CLAY MINERALS

4. TEXTURAL CHARACTERISTIC

5. MODIFICATION OF CHEMICAL CHARACTERISTICS

6. MODIFICATION OF PHYSICAL CHARACTERISTICS

7. USES

8. TOP BENEFITS OF BLEACHING EARTH

9. 15 BEAUTY BENEFITS OF BLEACHING EARTH

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11. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES
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<td>About Financial Statements of CMIE Database</td>
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<td>Profits &amp; Appropriations</td>
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<td>Total Liabilities</td>
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<td>Net Cash Flow from Operating Activities</td>
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<td>Growth in Assets &amp; Liabilities</td>
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12. EXPORT & IMPORT STATISTICS DATA OF INDIA

12.1. Export Statistics Data Bleaching Earth
12.2. Import Statistics Data Bleaching Earth

13. PRESENT MANUFACTURERS

14. MANUFACTURING PROCESS

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17. SUPPLIERS OF RAW MATERIAL

18. PRODUCT, MACHINERY & RAW MATERIAL PHOTOGRAPHS

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18.2. Machinery Photographs
18.3. Raw Material Photographs

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- Assumptions for Profitability workings
- Plant Economics
- Production Schedule
- Land & Building

Annexure

Factory Land & Building Site Development Expenses
• **Plant & Machinery**
  - Indigenous Machineries
  - Other Machineries (Miscellaneous, Laboratory etc.)

• **Other Fixed Assets**
  - Furniture & Fixtures
  - Pre-operative and Preliminary Expenses
  - Technical Knowhow
  - Provision of Contingencies

• **Working Capital Requirement Per Month**
  - 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 Wages ........................................................................9

• Turnover Per Annum ..................................................................10

• Share Capital.............................................................................11
  Equity Capital
  Preference Share Capital
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• 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
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- Current Assets
- Gross Working Capital
- Current Liabilities
- Net Working Capital
- Working Note for Calculation of Work-in-process

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• Annexure 5 :: Projected Balance Sheets
  - ROI (Average of Fixed Assets)
  - RONW (Average of Share Capital)
  - ROI (Average of Total Assets)

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  - Earnings Per Share (EPS)
  - Debt Equity Ratio
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- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P
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- Resultant N.P.B.T
- Resultant D.S.C.R
- Resultant PV Ratio
- Resultant DER
- Resultant ROI
- Resultant BEP
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  ▪ Equity Capital
  ▪ Preference Share Capital
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  ▪ 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
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<th>Product wise Domestic Sales Realisation</th>
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<td>Total Raw Material Cost</td>
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<td>Raw Material Cost per unit</td>
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<td>Annexure 17</td>
<td>Total Lab &amp; ETP Chemical Cost</td>
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<td>Consumables, Store etc.</td>
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<td>Annexure 19</td>
<td>Packing Material Cost</td>
</tr>
<tr>
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• 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 its 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.

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The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Bleaching Earth.” provides an insight into Bleaching Earth market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Bleaching Earth project. The report assesses the market sizing and growth of the Indian Bleaching Earth 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 Bleaching Earth sector in India along with its business prospects. Through this report we have identified Bleaching Earth project as a lucrative investment avenue.
#Bleaching_Earth, #Activated_Bleaching_Earth, #Bleaching_Earth_Manufacture, #Bleaching_Earth_Manufacturing_Plant, #Bleaching_Earth_Manufacturing_Process, #Bleaching_Clay, #Bleaching_Earth_Product, Process for Making Activated Bleaching Earth, #Bleaching_Earth_Production, Activated Bleaching Earth Manufacture, Manufacturing Process of Activated Bleaching Earth, Use of Bleaching Earth, Production of Bleaching Earth, Manufacture of Bleaching Clay, Bleaching Earth, Process for Production of Bleaching Clay Product, Process for Producing Bleaching Clay Product, Activated Bleaching, Bleaching Earth Industry, Bleaching Earth Manufacturing Business, Bleaching Earth Manufacture in India, Project Report on Bleaching Earth Manufacturing Industry, #Detailed_Project_Report_on_Bleaching_Earth_Production, Project Report on Bleaching Earth Production, Pre-Investment Feasibility Study on Bleaching Earth Manufacturing, Techno-Economic feasibility study on Bleaching Earth Production, #Feasibility_report_on_Bleaching_Earth_Production, Free Project Profile on Bleaching Earth Manufacturing, Project profile on Bleaching Earth Production, Download free project profile on Bleaching Earth Production, Making of Bleaching Earth, Bleaching Earth Manufacturing Project Report, Bleaching Earth Plant, Bleaching Earth Industry
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106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co
Tel: +91-11-23843955, 23845654, 23845886, 8800733955
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Our Approach

- Requirement collection
- Thorough analysis of the project
- Economic feasibility study of the Project
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106-E, Kamla Nagar, Opp. Spark Mall,
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Email: npcs.ei@gmail.com, info@entrepreneurindia.co
Tel: +91-11-23843955, 23845654, 23845886, 8800733955
Mobile: +91-9811043595
Fax: +91-11-23845886

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