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| Report Title | **India Bioethanol Market Analysis: Plant Capacity, Production, Operating Efficiency, Technology, Demand & Supply, End-User Industries, Distribution Channel, Regional Demand, 2015-2030** | | | | | | |
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| **Summary** |
| *Bioethanol production from natural resources coupled with its application in* *fuel and fuel additives, industrial solvents, beverages, disinfectant, and personal care serves as the major drivers for the rise in Bioethanol market in India.* |

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| **Report Description** |
| The India Bioethanol market is expected to grow at a healthy CAGR for the forecasted period. Bioethanol is a renewable energy which is majorly produced from sugar, maize, corn, wheat crops and many other crops. It is less toxic, produces very a smaller number of harmful gases. As it has high octane level, it is used as a substitute of petrol for transportation. Due to its production from natural feedstocks, it is widely used as the biofuel for transportation which significantly reduces the environmental production and crude oil consumption.  The production of bioethanol can be done through various feedstocks such as cellulose, sugarcane, and starch with the help of fermentation and chemical process. In India, first generation (1G) and second generation (2G) bioethanol plants are also going to set up in making bioethanol available for blending but challenges are faced in attracting investments from the private sector. 1G bioethanol plants will be utilising by-products produced in the production of sugar i.e., sugarcane juice and molasses as raw materials while 2G bioethanol will be using agricultural waste and surplus biomass to produce bioethanol. The production of bioethanol usually include three processes first is separation of hemicellulose and lignin from cellulose then obtaining fermentable sugars through hydrolysis of cellulose followed by distillation to separate and purify the ethanol.  Bioethanol has application in fuel and fuel additives, industrial solvents, beverages, disinfectant, personal care, and others. Out of the following applications fuel and fuel additives dominate the India ethanol market. Bioethanol is available in various grades including food grade, industrial grade, pharmaceutical grade, and lab grade. Based on purity the market can be segmented into denatured and undenatured ethanol. The increasing consumption of ethanol in beverages such as beer etc. also contributes to the increasing market during the forecast period.  Currently, the domestic demand of bioethanol for blending with petrol out surges the domestic production of the chemical. Currently, the setting up of 2G bioethanol plants are in the process by the three-state run Oil Marketing Companies (OMCs) Bharat Petroleum Corporation Ltd., Indian Oil Corporation Ltd., and Hindustan Petroleum Corporation Ltd. As part of the government’s aim to increase the production of ethanol in the country, India Oil Corporation has been planning to build 2G biorefineries in the states of Andhra Pradesh and Telangana. The two proposed biorefineries will be using ethanol from surplus and spoilt food grain from the Food Corporation of India as well as agricultural waste such as paddy straw and wheat. The company’s plan is still in its initial stages and is waiting for land allotment and necessary clearances. Indian Government has been planning to build 12 biorefineries across 11 states in the country, namely Gujarat, Punjab, Uttar Pradesh, Haryana, Bihar, Madhya Pradesh, Maharashtra, Odisha, and Assam.  According to National Biofuel Policy, to boost the domestic ethanol production, India will be targeting to implement a 20% ethanol blended auto fuel by five years to 2025. Full transition of Oil Marketing Companies is being expected in two years to provide 20% ethanol blended fuel from April 2023 onward. India will have to boost the ethanol production to meet the targets under National Biofuels Policy.    **Years considered for this report:**  Historical Period: 2015-2019  Base Year: 2020  Estimated Year: 2021  Forecast Period: 2022–2030  **Objective of the Study:**   * To assess the demand-supply scenario of Bioethanol which covers production, demand and supply of Bioethanol market in India. * To analyse and forecast the market size of Bioethanol. * To classify and forecast India Bioethanol market based on technology, end-use and regional distribution. * To identify drivers and challenges for India Bioethanol market. * To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in India Bioethanol market. * To identify and analyse the profile of leading players involved in the manufacturing of Bioethanol.     Some of the major players operating in the India Bioethanol market are Bajaj Hindusthan Limited, Balrampur Chini Mills Limited, Beta Renewables, BPCL, Dalmia Bharat Sugar & Industries Limited, Dhampur Sugar Mills Limited, E.I.D. Parry (India) Limited, Gayatri Sugars Limited, Godavari Biorefineries Limited, Harinagar Sugar Mills Limited, HPCL, IOCL, India Glycol Limited, K. C. P. Ltd., K.K Birla group, Laxmi Organic Industries Limited, Luna Chemical Industries Private Limited, Mawana Sugars Limited, Numaligarh Refinery Limited, Oasisi Group, among others.  To extract data for India Bioethanol market, primary research surveys were conducted with Bioethanol manufacturers, suppliers, distributors, wholesalers and Graders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various Grader segments and projected a positive outlook for India Bioethanol market over the coming years.  ChemAnalyst calculated Bioethanol demand in India by analyzing the historical data and demand forecast which was carried out considering imported Bioethanol, prices, materials used for production of Bioethanol. ChemAnalyst sourced these values from industry experts and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.  **Key Target Audience:**   * Bioethanol manufacturers and other stakeholders * Organizations, forums and alliances related to Bioethanol distribution. * Government bodies such as regulating authorities and policy makers. * Market research organizations and consulting companies   The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Bioethanol manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.  **Report Scope:**  In this report, India Bioethanol market has been segmented into following categories, in addition to the industry trends which have also been detailed below-   |  |  | | --- | --- | | **Market, by Type (Purity)** | Denatured & Undenatured | | **Market, by Grade** | Food Grade, Industrial Grade, Pharmaceutical Grade, And Lab Grade | | **Market, by Application** | Fuel and Fuel Additives, Industrial Solvents, Beverages, Disinfectant, Personal Care, and Others | | **Market, by Distribution Channel** | Direct/Institutional Sales, Retail Sales, Other Channel Sales | | **Market, by Region** | North America, APAC, Europe, MEA, South America |   **Available Customizations:**  With the given market data, Chemanalyst offers customizations according to a company’s specific needs.  **In case you don’t find what, you are looking for, please get in touch with our custom research team at** [sales@chemanalyst.com](mailto:sales@chemanalyst.com) |
| |  | | --- | | **TOC** | | 1. **India Bioethanol Market Outlook, 2015-2030**    1. Capacity By Company    2. Capacity By Location    3. Capacity By Technology    4. Capacity By Process    5. Production, By Company    6. Operating Efficiency By Company    7. Country-Wise Import    8. Country-Wise Export    9. Demand-Supply Gap 2. **India Bioethanol Demand Outlook, 2015-2030**    1. By Type (Purity)    2. By Garde    3. By Application    4. By Distribution Channel    5. By Region    6. By Company   **List of Figures**  Figure 1: Company-Wise Capacity of India Ethanol Market, 2015-2030F (KT)  Figure 2: Location-Wise Capacity of India Ethanol Market, 2015-2030F (KT)  Figure 3: Process/Technology-Wise Capacity of India Ethanol Market, 2015-2030F (KT)  Figure 4: Company-Wise Production of India Ethanol Market, 2015-2030F (KT)  Figure 5: Company-Wise Operating Efficiency of India Ethanol Market, 2015-2030F (%)  Figure 6: India Bioethanol Trade Surplus/Deficit, By Volume (KT), 2015-2020  Figure 7: India Bioethanol Demand Market Share, By Type (Purity), 2015-2030F (%)  Figure 8: India Bioethanol Demand Market Share, By Grade, 2015-2030F (%)  Figure 9: India Bioethanol Demand Market Share, By Application, 2015-2030F (%)  Figure 10: India Bioethanol Demand Market Share, By Distribution Channel, 2015-2030F (%)  Figure 11: India Bioethanol Demand Market Share, By Region, 2015-2030F (%)  Figure 12: India Bioethanol Demand Market Share, By Company, 2020 & 2021E (%)  **List of Tables**  Table 1: India Bioethanol Trade Dynamics, Country-Wise Import, 2015-2020  (Value in INR Million & Volume in KT)  Table 2: India Bioethanol Trade Dynamics, Country-Wise Export, 2015-2020  (Value in INR Million & Volume in KT) |   **FAQs on India Bioethanol Market**  **Q1) Which are the major drivers for growth in demand of Bioethanol?**  **A1** Bioethanol production from natural resources coupled with its application in fuel and fuel additives, industrial solvents, beverages, disinfectant, and personal care serves as the major drivers for the rise in Bioethanol market in India.  **Q2) Which application holds the maximum demand share in the India Bioethanol market as of 2020?**  **A.2)** Fuel & fuel additives application holds the maximum demand share in India Bioethanol market as of 2020. It is used as a substitute of petrol for transportation as it has high octane level.  **Q3) Do You offer a single or multi-user license?**  **A3)** We offer multi-user license, which will allow three users within in your organizations to access the report at any given point of time.  **Q4) Will I get access to Analyst who has authored the report?**  **A4)** Yes, you will have 24/7 access to the analyst during the subscription period. |