

Biomass Briquette Fuel Market By Raw Material (Saw Dust, Wood, Rice Husk, Groundnut Shells, Bagasse, Others), By Application (Brick Kilns, Dyeing Plants, Oil Extraction Units, Cooking and Baking, Others) By End-Use Industry (FMCG and Beverage, Pharmaceuticals, Cement Manufacturing, Power Generation, Leather, Rubber, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

Biomass Briquette Fuel Market

The biomass briquette fuel market was valued at \$0.9 billion in 2023 and is projected to reach \$1.8 billion by 2033, growing at a CAGR of 7.1% from 2024 to 2033.

Biomass briquette fuel is a biodegradable substitute for the harmful biofuel. The fuel is prepared from biodegradable green waste and emits low quantities of carbon dioxide and greenhouse gases. Biomass briquette fuel is formed under high pressure without additional binders or adhesives and is known for its high energy density. The fuel is utilized for diverse applications, including industrial processes, residential heating, and power generation.

Increase in inclination toward the usage of renewable sources of energy is a major driver of the biomass briquette fuel market. Moreover, surge in global focus toward sustainability is projected to boost the demand for briquette fuel in the future. Currently, the usage of organic binders such as starch and molasses is acquiring

traction as they enhance the combustion efficiency of briquette fuel and further reduce the emissions generated from it.

However, the availability of biomass for fuel production is subjected to several constraints, including geographical limitations, seasonal fluctuations, and contesting applications. This restrictive availability of biomass prevents the widespread expansion of the market. On the contrary, various R&D efforts by scientists around the globe present lucrative opportunities for market development. For instance, the formation of briquettes from dry pine needles (DPNs) is expected to acquire traction in upcoming years. DPNs are highly combustible in nature and are a leading cause for fires in the Indian Himalayan forests. The scientists at Central Institute of Agricultural Engineering, Bhopal, India, have discovered DPNs as a highly beneficial asset for the biomass briquette fuel market as they have high thermal efficiency and low greenhouse gases emissions. In addition, the removal of DPNs from forests is expected to mitigate the environmental damage caused by forest fires.

Segment Review

The biomass briquette fuel market is segmented into raw material, application, end-use industry, and region. On the basis of raw material, the market is divided into saw dust, wood, rice husk, groundnut shells, bagasse, and others. By application, it is classified into brick kilns, dyeing plants, oil extraction units, cooking & baking, and others. As per end-use industry, it is categorized into FMCG & beverage, pharmaceuticals, cement manufacturing, power generation, leather, rubber, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of raw material, the rice husk segment is expected to maintain its lead position during the forecast period.

By application, the oil extraction units segment is anticipated to be the most lucrative during the forecast period.

As per end-use industry, the power generation segment is predicted to acquire a high market share during the forecast period.

Region wise, Asia-Pacific is projected to be the highest revenue generator by 2033.

Competition Analysis

The major players operating in the global biomass briquette fuel market include KKR Biofuels, Yashraj Group of Companies, Ecotan, Gattuwalla, Energy Plus India, Sree Amman Briquettes, NIRMALA & SIDDAGANGA BIOFUEL INDUSTRIES, Neerpati Biofuels Private Limited, NARSIHMA AGRO INDUSTRIES, and Vidhyut Power & Systems. These players have adopted various key developmental strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the market.

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Analysis of raw material in a product (by %)

Manufacturing Capacity

Technology Trend Analysis

Market share analysis of players by products/segments

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Raw Material

Saw Dust

Wood

Rice Husk

Groundnut Shells

Bagasse

Others

By Application

Brick Kilns

Dyeing Plants

Oil Extraction Units

Cooking and Baking

Others

By End-Use Industry

FMCG and Beverage

Pharmaceuticals

Cement Manufacturing

Power Generation

Leather

Rubber

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

KKR BioFuels

Yashhraj Group of Companies

Ecostan

Gattuwalla

Energy Plus India

Sree Amman Briquettes

NIRMALA & SIDDAGANGA BIOFUEL INDUSTRIES

Neerpati Biofuels Private Limited

NARSIHMA AGRO INDUSTRIES

Vidhyut Power & Systems

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