

Do biomass briquettes generate higher energy?

Can Biomass Briquettes Replace Fossil Fuel for Power Generation?



Coimbatore, Tamil Nadu Mar 19, 2023 ([Issuewire.com](https://www.issuewire.com)) - Biomass briquettes are evolving as sustainable substitutes for fossil fuels. They are made from organic raw materials like plant remains wood residues, and animal wastes and do not emit pollutive gases. Also, biomass briquettes are cheap and easily available. This has made biomass briquettes an efficient alternative to fossil fuels in the energy-conscious world that is evolving.

[Buyofuel is a leading supplier of biomass briquettes](#) to cement plants in India. The cement industry is a major emitter of greenhouse gases, and more than 8% of total GHG emissions worldwide come from cement manufacturing. For every ton of cement, 10 tons of Carbon-di-Oxide is emitted. Biomass briquettes serve as an alternative fuel for cement industries. Buyofuel is a leading supplier of biomass briquettes and other not-so-emission-intensive biofuels to reputed cement manufacturing companies in India. The company is committed to the noble cause of creating a sustainable future With Biomass Briquettes.

The blog sheds light on biomass briquettes' advantages, energy content, and efficiency.

What is the energy content of briquettes?

Biomass briquettes are produced by drying and densifying biomass materials like sawdust, rice husk, wood wastes, agricultural residues, municipal wastes, animal dung, ground nut, coffee husk, and other organic waste materials. On average, the world produces around 559 billion tonnes of biomass waste a year. These wastes pile up in landfills.

On the other hand, rapid industrialization has led to increasing in emissions, and the world is looking for alternatives to fossil fuels and emission-intensive energy sources. Converting biomass into briquettes and pellets serves the dual purpose of helping substitute fossil fuels and reducing landfills.

What is the advantage of biomass briquettes?

Following are some of the advantages of using biomass briquettes.

- [Biomass briquettes](#) are cheaper and more economical substitutes for fossil fuels and emission-intensive energy sources.
- Biomass is readily available. As they are derived from plant and forest wastes which in turn route back to the sun, algae, and other natural sources, their availability is guaranteed. This is unlike fossil fuels, whose availability is limited.
- Biomass briquettes are made from organic sources. They do not release smoke, ash content, or carbon particles. Burning biomass briquettes does not emit toxic substances. So, they are an eco-friendly alternative to fossil fuels.
- The ash that remains after burning biomass briquettes serves as fertilizers. So, the cycle of briquettes from plant wastes to briquettes and recycled back as inputs to plant growth promotes sustainability.

What is the greatest advantage of briquette over loose biomass burning?

“Why can’t we use [loose biomass](#) for heating? Why should we convert them into briquettes?” are natural questions. The raw materials that makeup biomass have varying moisture content. In their raw form, they are loosely packed and carry low combustion efficiency.

On the other hand, when they are compressed and densified, their combustion efficiency improves. Also, in the briquetting process, the biomass is dried and packed into bricks and blocks. This removes the moisture content, so biomass briquettes burn longer than loose biomass materials.

How efficient are biomass briquettes?

As explained before, biomass briquettes have higher combustion efficiency than loose biomass materials. Also, because they are compactly packed and mould into cylindrical, cubical, rectangular, or spherical shapes, biomass briquettes are easy to store and transport. The density of biomass briquettes is higher than the loosely packed biomass materials.

When compared to coal, biomass briquettes carry a higher calorific value. They are frequently used to complement coal in firing industrial boilers and are evolving to eventually replace fossil fuels used in heating and cooking.

How Buyofuel’s Biomass Briquettes are Fueling Cement Plants in India?

If you are a supplier or a buyer of biomass briquettes, visit <https://buyofuel.com/>. For [biomass briquettes price in Coimbatore](#) or to understand wood Briquette –latest prices and trends, contact us at +91 86067

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