



**ROOTS BIOENERGY**

# COMPANY PROFILE

Roots Bioenergy is a company involved in the manufacturing of biomass briquettes and pellets, catering to industries seeking sustainable and eco-friendly fuel alternatives. The company focuses on providing high-quality biomass products to help businesses reduce their carbon footprint and shift towards greener energy solutions.

[www.rootsbioenergy.com](http://www.rootsbioenergy.com)





# ABOUT US

At Roots Bioenergy, we are committed to driving sustainable energy solutions through the manufacturing of high-quality biomass briquettes and pellets. Our mission is to provide industries with eco-friendly and cost-effective alternatives to conventional fossil fuels, helping them reduce carbon emissions and promote a cleaner environment.

## About Our Company

With a strong focus on quality, reliability, and customer satisfaction, we produce and supply biomass products that meet the highest standards. Whether you are looking for an alternative fuel source for industrial boilers, power plants, or heating applications, Roots Bioenergy ensures a steady and efficient supply to support your energy needs. Join us in our journey toward a greener future—where sustainability meets efficiency!







# OUR PROJECT: SUSTAINABLE BIOMASS FUEL PRODUCTION

At Roots Bioenergy, we are dedicated to producing high-quality biomass briquettes and pellets of all sizes, catering to a wide range of industrial and commercial applications. Our project is focused on transforming agricultural and forestry waste into efficient, eco-friendly fuel alternatives, reducing dependency on fossil fuels and promoting sustainable energy solutions.

Our facility is equipped with **6 high-capacity** machines, enabling a total production capacity of **120 metric tons per day** of biomass briquettes and pellets. This robust infrastructure ensures a consistent and scalable supply to meet diverse industrial demands.





# WHAT WE PRODUCE

We manufacture **briquettes and pellets** in various sizes to meet the specific needs of different industries, including:

01

✓ **Industrial Boilers & Furnaces**

High-energy fuel for steam generation and heating applications.

02

✓ **Power Plants**

Sustainable energy source for biomass-based power generation.

03

✓ **Commercial Heating**

Ideal for hotels, restaurants, and other commercial establishments.

04

✓ **Residential Use**

Clean-burning fuel for domestic heating solutions.







# PRODUCTION PROCESS

We use an advanced, eco-friendly production process that ensures efficiency and minimal environmental impact:

01

## Raw Material Sourcing

We collect agricultural residues (mustard husk, rice husk, saw dust, etc.) and agricultural waste.

02

## Drying & Processing

Moisture control and size reduction for optimal combustion performance. Also separation of unwanted particles for higher efficiency.

03

## Compaction & Molding

High-pressure machines convert raw materials into dense briquettes and pellets.

04

## Quality Control & Packaging

Rigorous testing ensures high calorific value, low ash content, and consistent performance.







# WHY CHOOSE OUR BIOMASS PRODUCTS?

01

✓ **Eco-Friendly**

Reduces carbon footprint and deforestation.

02

✓ **High Efficiency**

Better combustion with minimal ash residue.

03

✓ **Cost-Effective**

Cheaper than coal and other fossil fuels.

04

✓ **Renewable & Sustainable**

Made from 100% natural waste materials.







# OUR COMMITMENT TO A GREENER FUTURE

At **Roots Bioenergy**, we believe in a future powered by clean and sustainable energy. By producing biomass briquettes and pellets, we are not only providing industries with a reliable energy source but also contributing to waste management, pollution reduction, and rural employment generation.

Join us in making a difference—**one briquette at a time!**





## OUR CONTACT



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# THANK YOU

We sincerely appreciate your time in learning about Roots Bioenergy and our commitment to sustainable fuel solutions. As a trusted producer of biomass briquettes and pellets of all sizes, we take pride in delivering high-quality, eco-friendly, and efficient energy alternatives for industries, businesses, and households.

With a strong focus on quality, reliability, and customer satisfaction, we ensure that every product meets the highest standards, offering cost-effective and sustainable solutions for your energy needs.

We look forward to serving you with the best quality products and exceptional service. Together, let's move towards a greener, cleaner, and more sustainable future!

 **Roots Bioenergy – Powering Sustainability, One Briquette at a Time!**

