



AD TRADING LLP

FUELLING GROWTH FOR SUSTAINABLE
TOMORROW

HIGH QUALITY BIOMASS PELLETS | RELIABLE SUPPLY CHAIN | CUSTOMISED MANUFACTURING SOLUTIONS



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COMPANY OVERVIEW



AD Trading LLP, based in Maharashtra, is a budding innovator in the biomass pellet industry. With a focus on sustainability and excellence, we aim to meet India's growing energy demands through eco-friendly alternatives.

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OUR VISION

To revolutionize energy production by replacing non-renewable resources with sustainable biomass solutions, contributing to a greener planet.

OUR MISSION

To deliver high-quality biomass pellets, empower industries to transition to green energy, and ensure end-to-end efficiency in sourcing, manufacturing, and distribution.

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MEET OUR TEAM



Tapassu Manke
C.E.O.



Ashish Bajaj
Advisor



Divjeev Sabarwal
Director

WHAT ARE BIOMASS PELLETS ?

Biomass pellets are renewable energy sources made by compressing organic raw materials like agricultural residues, wood chips, and forestry waste. They are then used as fuel in various industries.





BENEFITS OF BIOMASS PELLETS ?



Eco-friendly: Reduces dependency on fossil fuels.



Easy To Use: Low ash content results in easy maintenance and high energy efficiency.



Sustainable: Supports circular economy using agricultural waste.



APPLICATIONS ACROSS INDUSTRIES

- **Thermal Power Plants:** For blending with coal in boilers.
- **Food & Beverage:** Efficient fuel for steam generation in production.
- **Chemical:** Clean energy source for heating and chemical processes.
- **Pharmaceutical:** Used in sterilization and process heating.
- **Textile:** Powers dyeing and drying processes in textile manufacturing.

WHAT WE OFFER ?

- Comprehensive trade capacity covering 300 Metric Tons of daily supply volume.
- In house testing facility
- Expertise in supply chain management for raw material procurement, plant setup and trade.
- Guarantee for Consistent quality and calorific value.

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RAW MATERIAL AND PELLET SPECIFICATION

Sawdust

Description: Fine wood particles generated as a byproduct of sawing or milling wood, ideal for biomass pellet production.

Technical Specifications:

Calorific Value: 4,000–4,500 kcal/kg

Moisture Content: 3–5%

Ash Content: $\leq 5\%$

Benefits:

- High energy output with low ash content.
- Uniform particle size aids in efficient pelletization.
- Readily available from sawmills and woodworking industries.





RAW MATERIAL AND PELLET SPECIFICATION

Soyabean Stalks and Husk

Description: Residues from soybean cultivation, composed of fibrous stalks left post-harvest.

Technical Specifications:

Calorific Value: 3,400–3,600 kcal/kg

Moisture Content: 2–5%

Ash Content: 13–15%

Benefits:

- Provides a sustainable alternative to traditional fuels.
- Reduces agricultural waste by repurposing it.
- Readily available during soybean harvest season.



RAW MATERIAL AND PELLET SPECIFICATION

Cotton Stalk

Description: Woody stems remaining after the cotton harvest, offering significant biomass potential.

Technical Specifications:

Calorific Value: 3,500–3,800 kcal/kg

Moisture Content: 4–6%

Ash Content: 10–14%

Benefits:

- Abundant in cotton-growing regions.
- High biomass yield per hectare of cotton cultivated.
- Efficient combustion properties for industrial use.





RAW MATERIAL AND PELLET SPECIFICATION

Groundnut Shells and Stalks

Description: Outer husks (Shells) and stalks of groundnut are collected during processing.

Technical Specifications:

Calorific Value: 4,000–4,200 kcal/kg

Moisture Content: 5–8%

Ash Content: $\leq 7\%$

Benefits:

- High calorific value ensures efficient energy generation.
- Recyclable and easily pelletized for fuel applications.
- Cost-effective due to abundant availability.



RAW MATERIAL AND PELLET SPECIFICATION

Rice Husk

Description: The hard protective outer covering of a rice grain that is removed during milling

Technical Specifications:

Calorific Value: 2,800–3,400 kcal/kg

Moisture Content: 3–5%

Ash Content: $\leq 25\%$

Benefits:

- Cost effective and available in abundance.
- Uniform particle size aids in efficient pelletization.
- Readily available from ricemills.





RAW MATERIAL AND PELLET SPECIFICATION

Maize Cobs and Stalks

Description: Central core and stalks of maize plants left after harvesting.

Technical Specifications:

Calorific Value: 3,800–4,200 kcal/kg

Moisture Content: 3–5%

Ash Content: $\leq 12\%$

Benefits:

- Promotes agricultural waste utilization.
- Ideal for energy generation and economical operations.



RAW MATERIAL AND PELLET SPECIFICATION

Pigeon Pea Stalk (Arhar/Tur)

Description: Stalks of pigeon pea plants, a byproduct of harvesting pulses.

Technical Specifications:

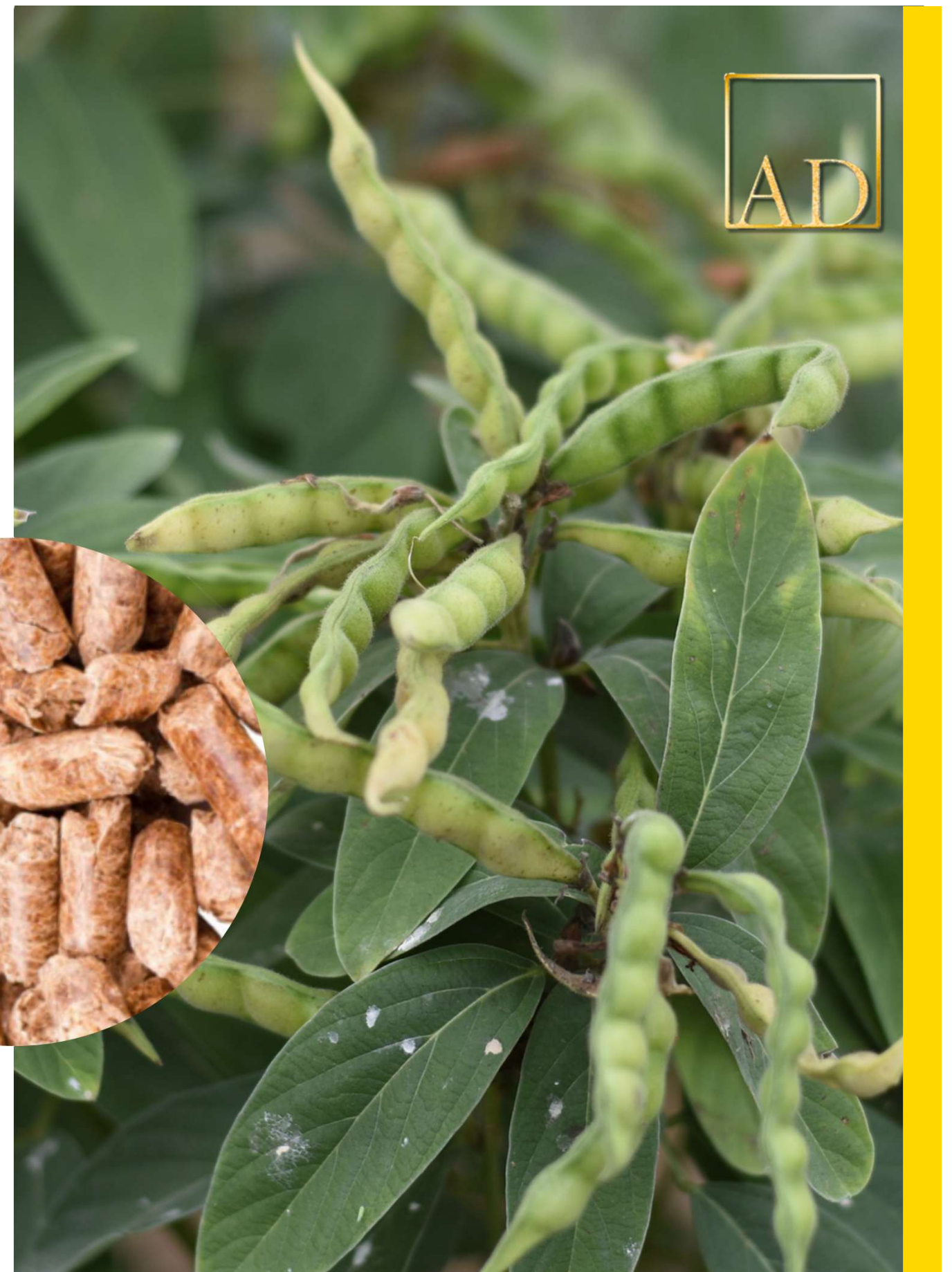
Calorific Value: 3,500–3,800 kcal/kg

Moisture Content: 4–6%

Ash Content: $\leq 15\%$

Benefits:

- Low-cost and renewable energy resource.
- Ideal for rural energy solutions.





RAW MATERIAL AND PELLET SPECIFICATION

Maize Cobs and Stalks

Description: Fibrous residue left after extracting juice from sugarcane.

Technical Specifications:

Calorific Value: 4,000–4,200 kcal/kg (dry)

Moisture Content: 8–10%

Ash Content: $\leq 8\%$

Benefits:

- Renewable energy from sugar industry residue.
- Widely used in cogeneration systems.





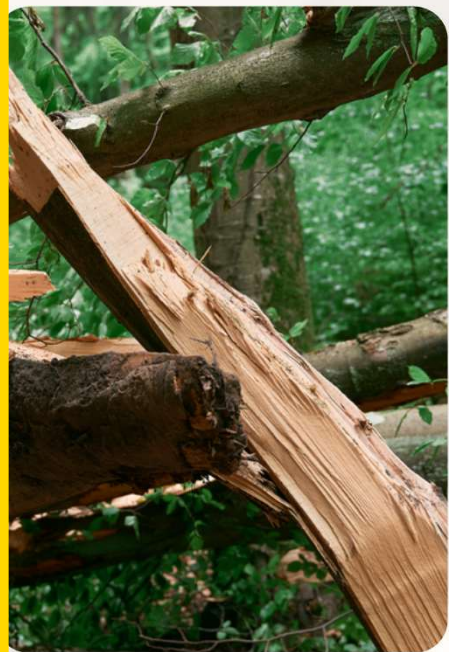
SOLUTION AND SERVICES

End To End Supply Chain

Raw Material Sourcing: Strong supplier network ensures consistent raw material availability.

Manufacturing: Advanced facilities for pellet production, ensuring top-quality output.

Sales (Trade): Efficient logistics to ensure timely delivery across India.





SOLUTION AND SERVICES

Plant Setup and Buyback

Custom Solutions: Assistance in setting up biomass pellet manufacturing units.

Buyback Agreements: Guaranteed purchase of pellets produced at partnered plants.



WHY US?

- Expertise in biomass energy solutions.
- Reliable supplier network for uninterrupted production.
- Commitment to quality and sustainability.
- Comprehensive services from sourcing to sales.





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