



UNIVERSAL FUEL INDUSTRIES

The 21st Century Fuel



WE INVEST IN FUTURE OF THE PLANET

Farmer Friendly | Eco-friendly | Economical |
Sustainable | Locally sourced | Rural Employment





We Are Ready For Change, Switch To Clean Energy Today!

Leading The Way In Building A Better Future

As one of the leading manufacturers of biomass briquettes for more than a decade, **Universal Fuel Industries** is a pioneering supplier of environment-friendly and cost-effective fuel to globally-renowned industries and is an emerging provider of Boiler O&M services.

Not only do we aim to cater to the fuel needs of the industries, but also ensure that our farmers earn consistently throughout the year and not just during harvest season.

We are dedicated to revolutionising the fuel industry by making it more sustainable, affordable, cleaner and efficient. Each lot from our briquettes production is tested in accredited laboratories for their contents, moisture levels and calorific value to ensure efficiency in combustion and value for money.

LEADING THE WAY IN BUILDING A BETTER FUTURE

As a preferred briquettes supplier of over 30 leading industrial houses for more than a decade, Universal Fuel Industries takes pride in co-creating and maintaining a value chain of farmers, transporters, vendors, and other stakeholders which facilitate storage and warehousing of raw materials as well as readily-available briquettes, even during the challenging months of the year. This not only ensures continuous supply but also stabilizes prices to a great extent, thus allowing us to pass on that benefit of affordability to our customers without compromising on quality.



QUALITY COMPLIANCE

Quality Inspections And Rigorous Examinations For The Product.



QUALITY AND MAINTENANCE

Grinding And Sieving Of Husk To Avoid Foreign Particles.



QUALITY CONTROL

Sample Testing At Recognized Laboratories For Quality Control.



MAKING TOMORROW DIFFERENT TODAY

Our focus is to ensure substantial momentum in research of raw materials for biomass briquettes and to consistently be a part of Make In India initiative of the Indian Govt. We strive to effectively follow the Pollution Control Board standards and closely observe Govt. policies for environment conservation which could potentially redirect industries towards use of cleaner fuels.

MISSION

To develop into a fully integrated, green energy-based company that is a preferred supplier in the nation and is renowned for its responsiveness to both its team and its customers.

VISION

Includes and is not limited to supporting and educating our farmers, mobilising the rural population, ensuring vendors and stakeholders welfare while constantly creating job and personal growth opportunities.



2009

2009

2016

2017

UNIVERSAL
FUEL
INDUSTRIES

BRIQUETTE
MANUFACTURING
PLANT (SRIGANGA NAGAR)

EXPANSION OF PLANT
(MADHYA PRADESH)

DIVERSIFIED TO
BOILER O&M
SERVICES



WHAT IS BIOMASS BRIQUETTES?

Over the last decade, there has been a steady increase in the use of briquettes in industrial boilers. Millions of tons of agricultural waste are produced annually. These either go unused or are inefficiently burned when in their loose condition, which pollutes the air. Due to their low bulk density, these materials are difficult to handle and move. By being converted into high-density fuel briquettes without the addition of any chemical binders, these wastes can serve as an effective source of energy.



Biomass briquettes are primarily made from agricultural wastes which are a cleaner substitute to coal and other such conventional fuels. These are mostly made of green waste and other organic materials and are commonly used for electricity generation, heat, and in some cases, even for cooking fuel. Rice husk, crushed nut shells, and agricultural waste are just a few of the primary agricultural materials that are compressed during the briquetting process to create high-density solid fuel.

The availability of raw materials and the location play a big role in the composition. The agriculture waste is gathered, bought, cleaned, and dried. In order to maximize burning efficiency and further streamline transportation and storage, it is then compressed into cylindrical briquettes. Since biomass briquettes lack chemical adhesives and large concentrations of carbonaceous materials, it is acceptable to say that they are much superior to traditional fuels. Because the materials utilized are already a part of the carbon cycle, briquettes have minimal net total greenhouse gas emissions when compared to fossil fuels.

SALIENT FEATURES OF BIOMASS BRIQUETTES

HIGH THERMAL EFFICIENCY
OPTIMUM CALORIFIC VALUE
MINIMAL EMISSIONS
EASY TO USE BECAUSE OF FIXED SIZE
BEST ALTERNATIVE FOSSIL FUELS

FREE OF CHEMICALS
ECO-FRIENDLY YET ECONOMICAL

LOW MOISTURE CONTENT
HIGH DENSITY
LOW VOLATILITY IN PRICES



TURNKEY SOLUTIONS FOR YOUR BOILER

Unisteam constitutes the steam division of universal fuel industries. With an aim of ensuring smooth boiler operations. We have ventured into boiler maintenance and steam contracting, primarily to generate steam at an optimum cost.



**PREVENTIVE MAINTENANCE
& CLEANING OF BOILER**



**MANPOWER SUPPLY
(SKILLED & UNSKILLED)**



SUPPLY & STORAGE OF FUEL



AUTOMATIC FEEDING & DISPOSAL SYSTEM



ASH DISPOSAL SERVICES



LOADING & UNLOADING OF FUEL

BEST COST WITH BETTER PERFORMANCE

With our innovative technologies, clear focus on the needs of our customers, and dedicated employees, we energize society. Let's make tomorrow different today!

**PROVIDING VALUE TO OUR CLIENTS THROUGH
ONGOING PRODUCT & INNOVATION**



**ENVIRONMENTAL
SENSITIVITY**



**PERSONALISED
SOLUTIONS**



**PERFORMANCE
MEASURES**



LESS ASH CONTENT AS COMPARED TO OTHER FUELS, NO BINDING CHEMICALS, ADHESIVES OR SUB-STANDARD MATERIAL USED.



COAL

BIOMASS BRIQUETTES

WOOD

GCV (Kcal / kg)	5500+
Ash	5-7%
Moisture	10%
Fuel Cost	Rs. 13/KG (avg)
Per Kg Steam Cost	Rs. 2.60/KG
Handling	Difficult; Loosely packed & unhygienic
Emissions	Emits dangerously high levels of CO ₂ and SO ₂
Social Factors	<ul style="list-style-type: none"> • Major polluter • Increases dependency on imports for meeting domestic needs

GCV (Kcal / kg)	3600 +
Ash	8-14%
Moisture	10%
Fuel Cost	Rs. 6 / Kg (Avg.)
Per Kg Steam Cost	1.45 / Kg
Handling	Easy; Because of high density and packaged delivery
Emissions	Emits white smoke within permissible limits of the Pollution Control Board
Social Factors	<ul style="list-style-type: none"> • Safeguards farmers • Curbs pollution • Reduces waste • Curbs Deforestation

GCV (Kcal / kg)	2800+
Ash	9-10%
Moisture	25-40%
Fuel Cost	Rs. 7.5/KG (Avg.)
Per Kg Steam Cost	Rs. 2.08 / KG
Handling	Difficult; because uneven logs with splinters and nails etc
Emissions	Emits dense white smoke and causes deforestation
Social Factors	<ul style="list-style-type: none"> • Major cause of deforestation • Generates waste



CONTACT US

Leading The Way In Building A Better Future



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