



Korea Bangladesh J/V Factory



# B&F BioGreen INDUSTRIES LTD.



"We are ready to build a Sustainable World"

## Biomass Briquettes or Pellets:

Are a type of **renewable energy fuel** made from **organic** materials, such as agricultural residues, sawdust, wood chips, paper, and other biodegradable substances. These materials are **compressed into solid blocks** or logs (called briquettes), which can be used as a **substitute for coal, firewood, or other fossil fuels** in heating, cooking, and industrial processes.



## Comparison Biomass Briquette or Pellet vs Others Fuel (Firewood & Coal):

Solid, dense biofuel made with agriculture waste which are dehydrated and pressed without any additives.

Particulars	Firewood	Coal	B&F Biomass Briquettes/Pellets
Calorific Value(Kcal/Kg)	2,500 – 3,200	5,000–6,000	4200-4600
Moisture Content	50%-75%	20%-30%	<10%
Ash Reside	3–5%	High (15–30%) depending on grade	<0.6%
Burning Efficiency	Low (due to high moisture)	Low (due to high moisture)	High (efficient combustion)
Smoke Emission	High Smoke	High smoke, pungent odor	Minimum
Storage Space Required	Big Size	Big Size	Small
Handling & Cleanliness	Dirty	Dirty	Very Clean
Sustainability	Variable (may come from deforestation)	Fossil Fuel	Sustainable Energy (Use Agriculture Waste)
CO <sub>2</sub> Emission	1.60 CO <sub>2</sub> /Ton	2.42 CO <sub>2</sub> /ton	0.50 CO <sub>2</sub> /ton
Carbon Credit Eligibility	No Eligible	No Eligible	Eligible (as renewable & clean energy)
Required quantity for 1 ton Boiler	308 Kg	96 Kg	92 Kg
Required Worker for 1 ton Boiler of one shift	4/6 Persons	4/6 Persons	2 Persons
Packaging Size	No standard Packing Size	No standard Packing Size	40-50 kg per Bag

# Application of Biomass Briquette & Pellet:

**BNF Biomass Briquettes** is widely used as industrial fuel to substitute firewood, Jute, coal and Diesel Oil. Typical industrial applications of Green oil as a fuel in:



### Efficient & Eco-Friendly Fuel Solution for Industrial Boilers!

A perfect alternative to coal, wood, or diesel. They are more cost-effective, easily available, and environmentally friendly. It helps reduce energy costs while promoting a cleaner and more sustainable industrial operation.



### Reliable & Sustainable Energy for Cement Production!

Deliver consistent heat output with lower costs compared to coal or gas. Designed for high-temperature applications, it ensure efficient cement production while reducing carbon emissions and supporting a greener future.



### High-Heat, Low-Cost Fuel for Steel Melting!

Provide the powerful heat required for melting operations — without the heavy cost of coal or furnace oil. Clean, efficient, and eco-friendly, it is the smart energy choice for modern steel industries.



### Clean & Cost-Effective Energy for Brick Manufacturing!

Burn efficiently to deliver high heat and uniform firing, replacing traditional coal or wood. It reduce pollution, cut production costs, and help build a cleaner, greener brick industry.



### Safe & Sustainable Energy for Food Industries!

Offer a stable and clean heat source ideal for food processing and production. Free from smoke and harmful residues, it ensure quality, hygiene, and sustainability in every operation.



### Renewable Energy for Reliable Power Generation!

An efficient renewable fuel source designed for continuous power generation. It reduce fuel costs and carbon emissions, ensuring sustainable performance for modern power plants.

## Environmental & Carbon Credit Benefits

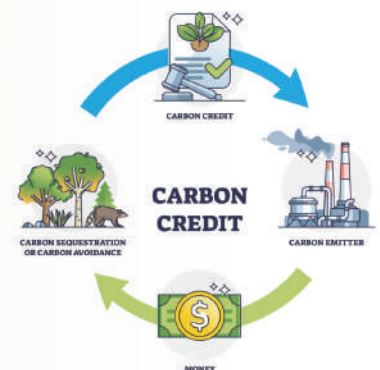
Fuel Type	Diesel	LPG (LNG)	Coal	Fire Wood
CO <sub>2</sub> Emission	3.20 tCO <sub>2</sub>	2.70 tCO <sub>2</sub>	2.42 tCO <sub>2</sub>	1.60 tCO <sub>2</sub>
Briquette	0.05	0.05	0.05	0.05
Reduction Effect	3.15	2.65	2.37	1.55

### ■ For a 4-ton boiler factory (2,400 hours/year):

- Annual Briquette Use: 912 tons
- CO<sub>2</sub> Reduction: 2,166 tCO<sub>2</sub>/year
- Carbon Credit Revenue: 43,320 USD (~4.8 million Tk)

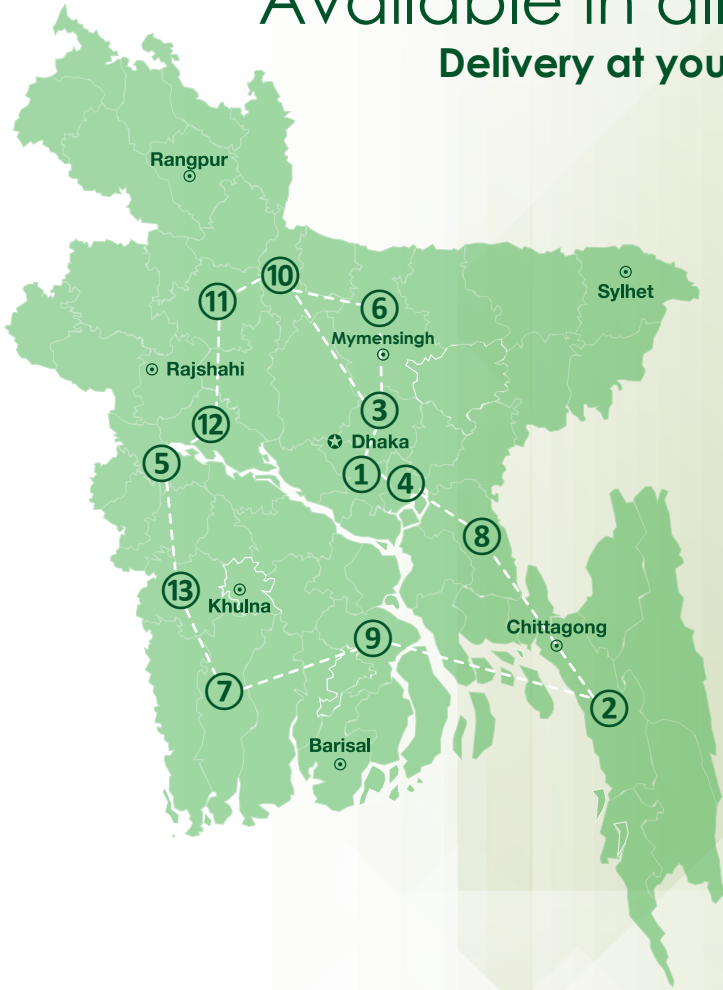
### ■ ESG & Brand Value Enhancement

- Circular economy by recycling agricultural waste
- Strong ESG compliance and climate action
- Attractiveness to global buyers, environmental compliance especially garment exporters



# Available in all of Bangladesh!

## Delivery at your nearest Factory



**B&F**  
Briquettes  
Eco Pallets

1. Keraniganj
2. Chattogram
3. Gazipur
4. Narayanganj
5. Kushtia
6. Mymensingh
7. Khulna
8. Comilla
9. Barishal
10. Jamalpur
11. Bogura
12. Pabna
13. Jashore

Factory Certification:



Compliance Consulting:



CCA

SBTi



RE 100



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