

# Biocoal

Dia Size: 60-90 mm



## Eco Biofuel

# Pellet

Dia Size: 6-8 mm



## Eco friendly & Renewable Energy solid fuel

Sr. No.	Specification	White Coal / Bio Coal / Biomass Briquettes ✓	Lignite ✗	Coal (Indonesia/African) ✗
01	Calorific Value	3800-4000 KCal./Kg.	2200-2800 KCal/kg.	4400-5400 KCal/Kg.
02	Sulfur Content	White Coal is free from 0.1 % max. Sulfur Content No Health Hazards	3 - 6 % Sulphur Content Excess Sulfur leads to Health Hazards, damages boilers	2 - 4 % Sulphur Content Excess Sulfur leads to Health Hazards, damages boilers
03	Pollution	White Coal is pollution Free	<b>Sulphur dioxide (SO<sub>2</sub>), CO<sub>2</sub>, Nitrous Oxide (NO<sub>x</sub>), flue-gas de-sulfurization Sludge, contains Mercury, Uranium, Thorium, Arsenic</b>	
04	Moisture	3-10% results high burning efficiency	Very High, Poor in efficiency	15 to 30%
05	Volatile Matter	70% Approx	20-25% Approx	30-40% Approx
06	Fix Carbon	15% Approx	15-35% Approx	25-40% Approx
07	Fly Ash Content	White Coal Consists approximate 5-10% ash	Min. 35% to 60% Approx Ash	8-20% Approx
08	Availability	White Coal is fuel of future. It would be available in plenty	In Future it will be banned from use to produce energy	Fossil Fuel
09	Fuel used in boiler (lesser cost / better heat result)	Cost lesser then (Coal / Moist Saw dust / Moist Wood / Husk Bhusa) Combustion is more uniform	Costly Too much up's and downs	Managing Coal is costlier then Biocoal Too much up's and downs
10	Storage	Easy to store in Comparison to Coal/ Saw dust / Moist or Wet Wood / Husk Bhusa	Storing Hazards	Storing Hazard
11	Loading/Unloading	Very Easy in handling	Loading/Unloading Problem	Loading/Unloading Problem
12	Environment	No effect on health. Emits white smoke during combustion Generates low ash and can be used as Fertilizer No Chloride content in Biocoal	Harms Environment: emits black smoke, generate high CO, CO <sub>2</sub> , Carbon particle, SO <sub>2</sub> , Nitrous Oxide, Methane gas	Harms Environment emits black smoke, generate High CO, CO <sub>2</sub> , SO <sub>2</sub> , Nitrous Oxide, Methane gas
13	Benefits to Farmers	Making rich to Farmers/ generate local employment	Damage Health & Agriculture	Damage Health & Agriculture
14	Carbon Credit	Attracts credit to the user Industry may either avail self carbon credit benefit, or transfer to polluting Industries under pressure of global warming Authority in exchange of invaluable value refer: <a href="http://www.mnre.gov.in">www.mnre.gov.in</a>	Generates solid & air pollution Pollution Control Board does not promote to use	Generates solid & air pollution Pollution Control Board does not promote to use



**Lives are cut short through Strokes, Heart Attack, Lung Cancer, Asthama, Cardiovascular and other respiratory diseases**

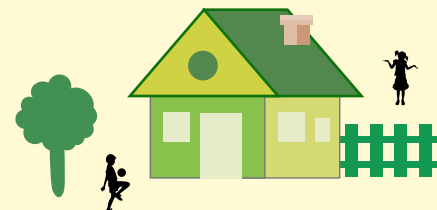
**BIOMASS BRIQUETTES USAGE:** Textile, Pharmaceutical, Ceramics, Food Processing, Lamination, Leather, Chemical, School's, Hospital's, Dairy, Solvent Extraction Plant, Rubber, Boiler, Heat Generation Places, Spinning, Brick Making, etc.

**ENVIRONMENT FRIENDLY & POLLUTION FREE BIOCOAL - Fuel thickness size: 60-90 mm, 6-8 mm**

**Contact for your requirements: Jignesh Patel - 98248 15080, 92277 22990 Bhavesh Patel - 99094 61777**

**Works :** Survey No. 175, Plot No. 1 & 2, Village: Panchpipla, Taluka: Jetpur - 360 370  
Dist: Rajkot, (Gujarat) INDIA. **Tel.:** 70435 33004 / 70435 33005  
**Whatsapp:** +91 8238 922 992 **E:** [info@ecobiofuel.in](mailto:info@ecobiofuel.in) **W:** [www.ecobiofuel.in](http://www.ecobiofuel.in)

**Office :** Crescent Mall, Stand Chowk, Jetpur-360 370. Gujarat (INDIA)  
**T:** +91 98248 15080 / 92277 22990 / 99094 61777 **E:** [ecobiofuel1@gmail.com](mailto:ecobiofuel1@gmail.com)





Eco Fire Pellets

# Eco Fire Pellets reduces Air Pollution

**REDUCE YOUR FUEL COST BY  
INCREASE YOUR PROFITABILITY BY**

Environment Friendly & Pollution Friendly Pellets  
Fuel thickness size : 6 mm & 8 mm

## BENEFITS of PELLETS



### CLEAN

- Free from contamination.
- Burns with low ash.
- Reduced carbon content



### RENEWABLE

- Made from agro biomass and wood dust
- Promotes and enhance green culture



### EFFICIENT

- Consistent in quality and moisture content



### ECONOMICAL

- Attractive calorific value
- Low energy cost



### SUPPLY

- Uninterrupted supply at your doorstep
- Available in 25 kg & 1 Ton Packing



### FRIENDLY & SAFE

- Can be used in different type of furnaces
- Multiple applications
- Power generation
- Heating, cooking

**50%** Eco Fire Pellets

## Important quality criteria of Eco Biofuel Pellets.

Parameter	Industrial Grade
Length (mm)	10-40
Fines (% , mass)	≤3.0
Total moisture (% , mass)	≤10
Ash content (% , mass)	≤10
Volatiles (%)	≥70
Total sulfur (%)	≤0.15
Nitrogen (%)	≤1.00
Chlorine (%)	≤0.012
Oxygen (%)	≥40
Ash melting temp (°C)	1220
Calorific value (kcal/kg)	4000-4200

Pellet  
Burner



## Comparison of Pellet vz Other Fuel Cost and Consumption

Particular	Pellet (kg)	LPG (kg)	PNG (m3)	Diesel (ltr)	Electricity Kcal/KW
Net Calorific Value (Kcal)	4000	10800	8500	10000	860
Rate (Rs.)	9/-	63/-	41/-	72.50/-*	7/-
Pellet consumption against fuel	1 Kg	2.70 Kgs	2.125 Kgs	2.5 Kgs	0.215 Kgs
Cost of Pellet (Rs.)		24.30/-	19.125/-	22.50/-	1.935/-
Savings (Rs) per Kg		38.70/-	21.875/-	50/-	5.065/-
Saving due to Pellets		61.43%	53.35%	69%	72.36%

\*as on 15-06-2018



Eco Biofuel

**Works :** Survey No. 175, Plot No. 1 & 2, Village: Panchpipla, Taluka: Jetpur - 360 370 Dist: Rajkot, (Gujarat) INDIA.

**Tel.:** 70435 33004 / 70435 33005 **Whatsapp:** +91 8238 922 992 **E:** info@ecobiofuel.in **W:** www.ecobiofuel.in

**Office :** Crescent Mall, Stand Chowk, Jetpur-360 370. Gujarat (INDIA) **T:** +91 98248 15080 / 92277 22990 / 99094 61777

**E:** ecobiofuel1@gmail.com