



# INDIA'S FIRST B2B ONLINE MARKETPLACE **FOR BIOFUELS AND WASTES**

# ABOUT US

## BUYOFUEL

- We're an online marketplace for raw material producers, biofuel consumers, and everyone in between. At Buyofuel, we're solving the biggest problem in the green fuel industry: lack of reliability.
- Raw material aggregators need to find production sources and a way to reach the right manufacturers.
- Manufacturers need to find reliable aggregators to source the type of materials they want, at any time and in any quantity. Consumers need to buy good-quality green fuels.
- We bring all these people together on Buyofuel, our online marketplace. We build reliable connections, strengthen the community and make way for their growth.

## VISION & MISSION



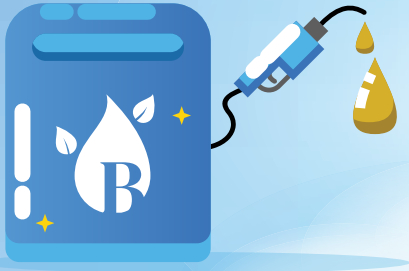
### OUR MISSION

To inspire connections in the green fuel community through the power of technology.



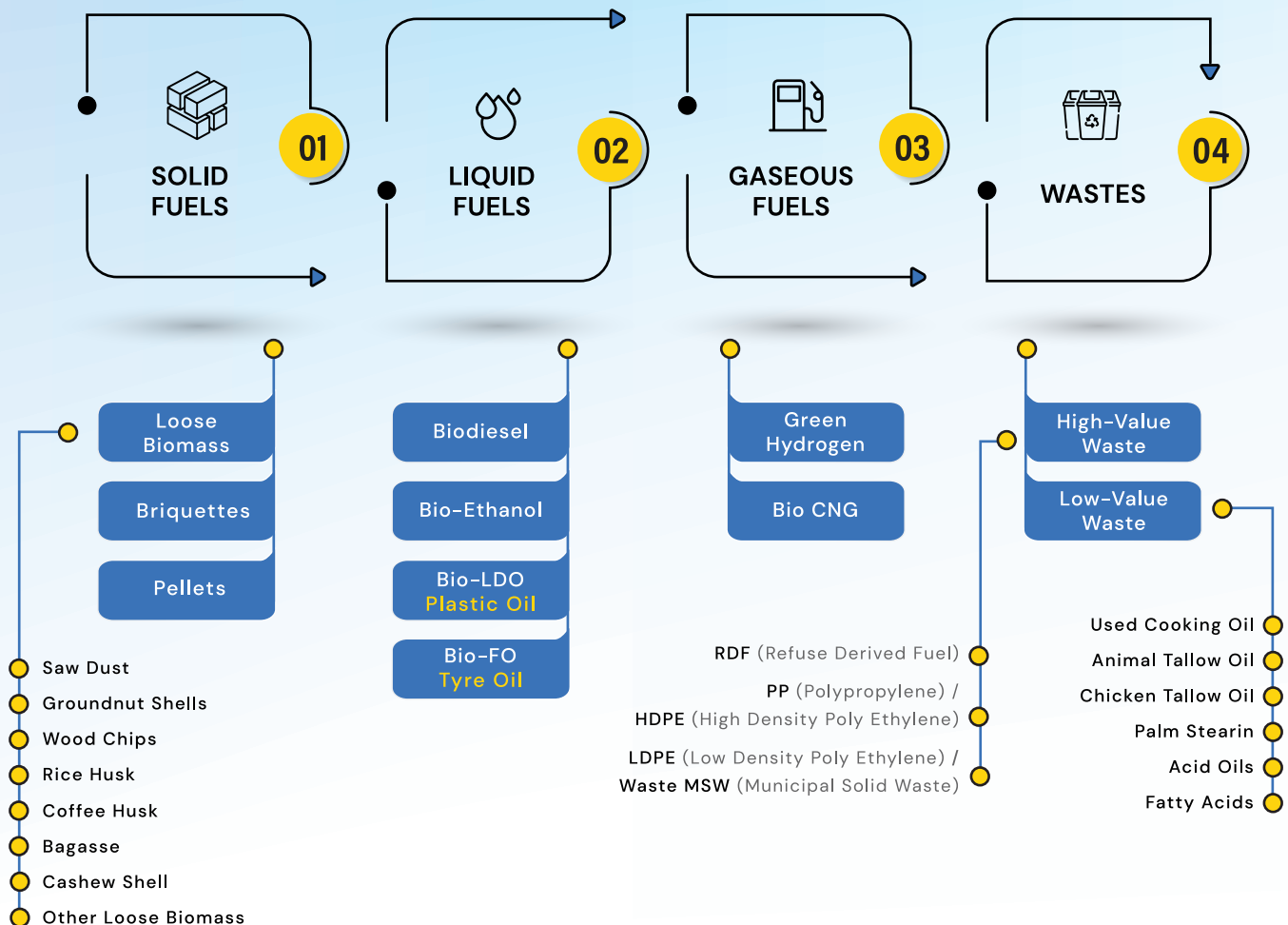
### OUR VISION

To democratize green fuels and reclaim a healthy future and to become the favourite green fuel marketplace.



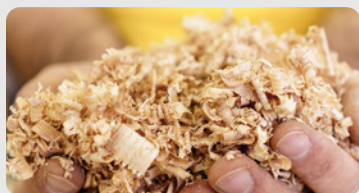
## OUR PRODUCTS

Our platform contains both biofuels and materials required for biofuel production, such as waste and other raw materials, proving Buyofuel to be a one-stop destination for all biofuel needs.



# SOLID BIOFUELS

An alternative to coal that is produced from organic source materials such as agricultural residues and plant biomass.



## Sawdust

Waste produced by woodworking activities

GCV : 2800–3600 Kcal/kg



Ash  
25–45%



Moisture  
4–6%



## Groundnut Shell

Leftovers obtained from removal of groundnuts.

GCV : 3800–4400 Kcal/kg



Ash  
10–12%



Moisture  
8–10%



## Rice Husk

Leftover debris of processed food grain

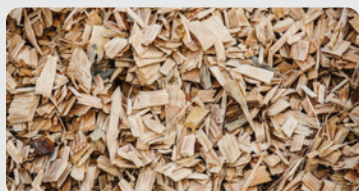
GCV : 3000–3500 Kcal/kg



Ash  
15–20%



Moisture  
15–20%



## Wood Chips

Waste generated from timber processing.

GCV : 3200–3800 Kcal/kg



Ash  
25–30%



Moisture  
6–8%



## Briquettes

Compressed form of different biomass and agricultural waste

GCV : 3800–4000 Kcal/kg



Ash  
10%



Moisture  
6%



## Pellet

Compact compressed form of diverse biomass products

GCV : 4000–4800 Kcal/kg



Ash  
7–8%



Moisture  
4–6%

Access supply base of more than **70000MT/month** of Biomass Briquettes, **30000MT/month** of Biomass Pellets and **100000MT/month** of various types of Loose Biomass.



# LIQUID BIOFUELS

The source materials of liquid biofuels are non-fossil, organic materials such as Vegetable Oil Derivatives, Animal Tallow, Plastic & Tyre Wastes.



## Biodiesel

Derived from plant oils or animal fats.

GCV : 9000-10000 Kcal/kg



Specific Gravity  
0.86-0.88



Viscosity  
3-5 cSt



## Bio LDO

Generated from sorted plastic scraps.

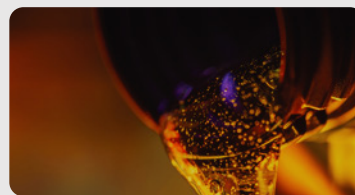
GCV : 9500-10500 Kcal/kg



Specific Gravity  
0.80-0.88



Viscosity  
2 cSt



## Bio Furnace Oil

High-performing fuel made from tyre waste.

GCV : 9500 -10500 Kcal/kg



Specific Gravity  
0.90-0.95



Viscosity  
15-20 cSt



## Bioethanol

Produced from biomass sources like sugarcane.

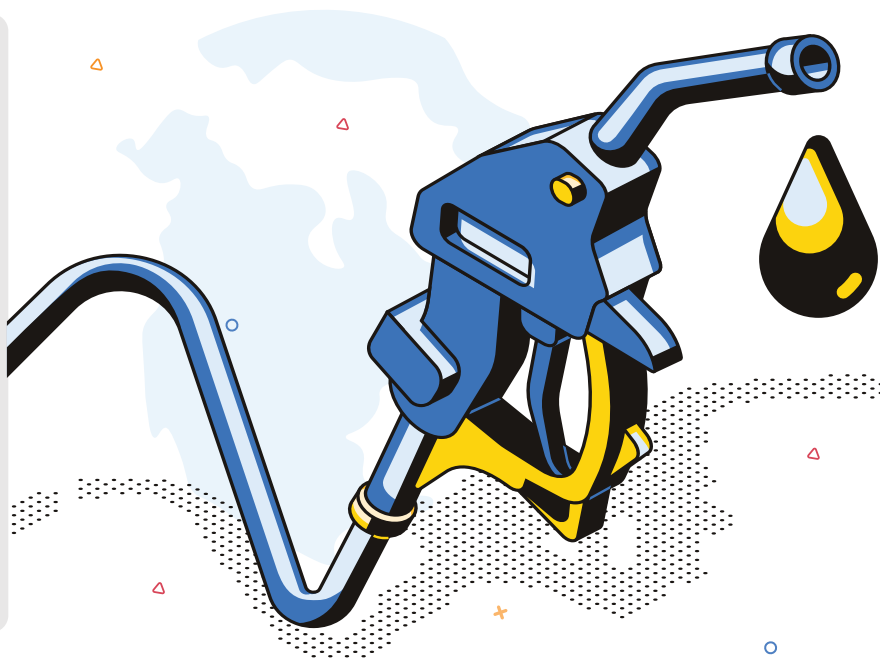
GCV : 4700 - 6000 Kcal/kg



Specific Gravity  
0.77 - 0.79



Viscosity  
1.13 cSt



Access manufacturing capacity of more than **10000MT/month** of Biodiesel on Buyofuel, Supply base of more than **30000MT/month** of Vegetable Oils, Animal Fats & Wastes and more than **100000MT/month** of Plastic & Rubber Wastes on Buyofuel

# GASEOUS BIOFUELS

Gaseous biofuels are renewable fuels derived from biomass in a gaseous state, such as biogas, landfill gas, and synthetic natural gas.

## Bio CNG (Compressed Natural Gas)

Bio-CNG is a revolutionary alternative to traditional fossil fuels, produced from biogas. They reduce carbon emissions and improve air quality while delivering the same fuel properties, engine performance, and emissions as regular CNG.

GCV : 9500 -10500 Kcal/kg



Specific Gravity  
0.587



Carbon dioxide  
0.789 g/cm<sup>3</sup>



Methane  
92-98%



## Green Hydrogen

The potential of Green Hydrogen to decarbonize key sectors is immense, particularly in shipping and transportation where it can function as a fuel, and in manufacturing industries like steel and chemicals, where it can act as both a fuel and an essential raw material.

GCV : 9500 -10500 Kcal/kg



Specific Gravity  
0.0696



Bio-CNG, containing only 2-8% CO<sub>2</sub>, has immense potential to decrease carbon emissions and is expected to reach \$8 billion by 2030 and \$340 billion by 2050. India can produce up to 62 MMT of Bio-CNG, of which Sustainable Alternative Towards Affordable Transportation (SATAT) aims to use 15 MMT. Additionally, Green Hydrogen can help India achieve a reduction of 3.6 gigatonnes of CO<sub>2</sub> emissions by 2050.

# HIGH VALUE WASTES

High value wastes are majorly used in the manufacturing of liquid biofuels like Biodiesel, Bioethanol and Bio Fuel Oils.



**Used Cooking Oil (UCO)**



FFA  
17%



Moisture  
0.5%



**Palm Fatty Acid**



FFA  
90.87%



Moisture  
0.5%



**Palm Stearin**



FFA  
0.11%



Moisture  
0.25%



**Tallow Oil**



FFA  
21%



Moisture  
0.5%



**Acid Oil**



FFA  
73%



Moisture  
1.25%



## OUR ACHIEVEMENTS

Have onboarded **1800+** users in the platform who actively buy/sell biofuels and wastes via our platform.

Recognised by Manufacturing Today & Aditya Birla as a critical player in the industry's path towards **Net-Zero**.

Supplied over **30,000MT** of biofuels to various buyers over the last six months.

Buyofuel earns a spot in the **SET100** list, powered by the German Energy Agency (dena), in collaboration with World Energy Council.

## TRUSTED BY



## AWARDS

### TANSEED

2020-2021

By Tanseed

Top 10 Startups of TN



2020-2021

By Vruksh Foundation

Top 30 Social Innovation Startups of South Asia

### BW BUSINESSWORLD

2022

By Businessworld Magazine

BW Disrupts Young Entrepreneur Awards (YEA)



For a better life on a greener planet

2023

By EEF

Global Clean India Award

## APPROVED BY



#startupindia







- ✓ JOIN FOR FREE
- ✓ FEATURE YOUR PRODUCTS
- ✓ POST YOUR REQUIREMENTS
- ✓ HASSLE-FREE TRANSACTION
- ✓ END-TO-END TRACEABILITY

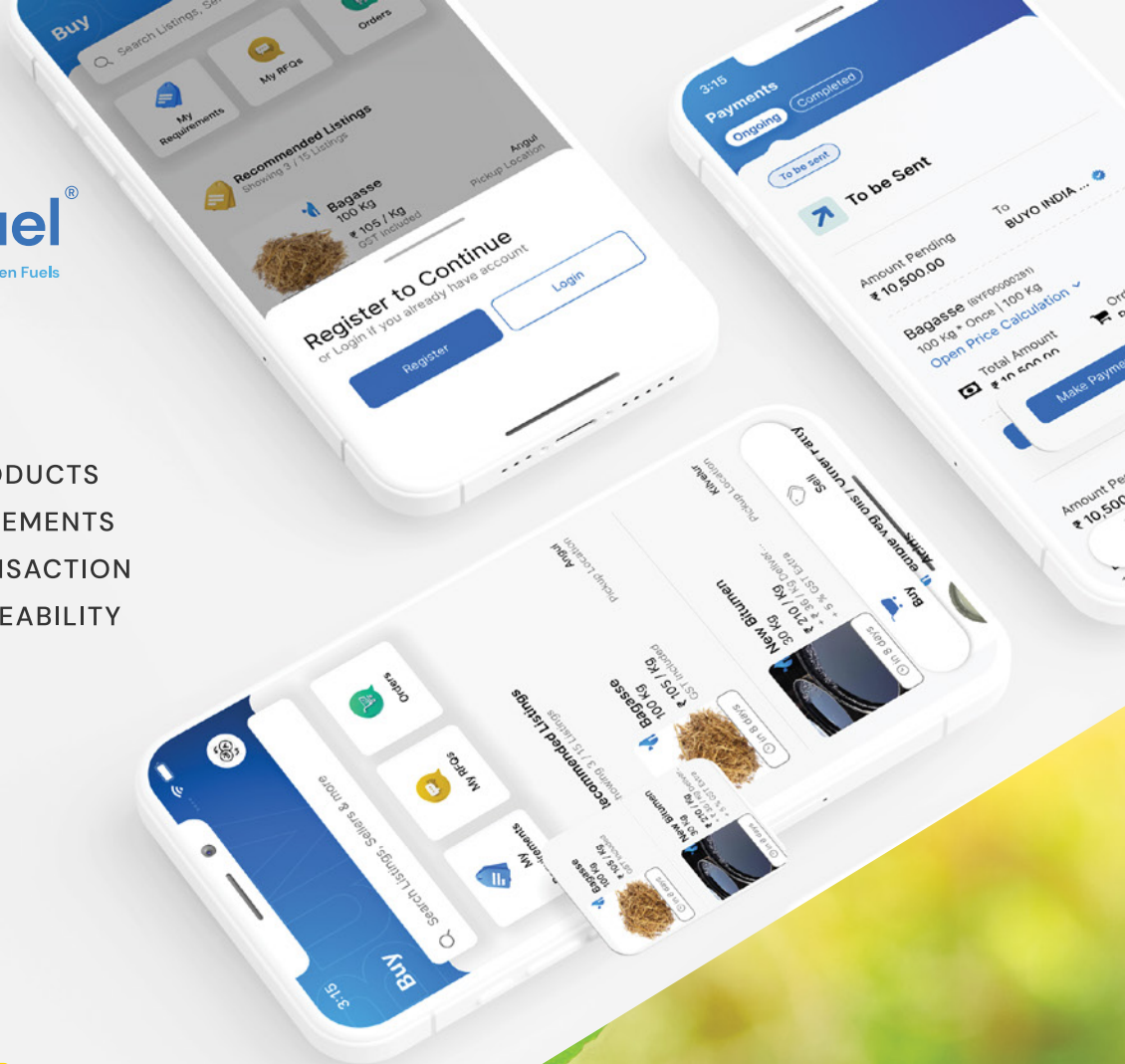
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