CHAARGOLD

Charcoal Briquettes

Uniform. Clean-burning. Long-lasting. Manufactured end to end in our own pyrolysis retort units, from raw biomass to finished briquette, for BBQ, grilling, premium hospitality and industrial heat.







- Uniform Shape and Size
- High Heat Output
- Long, Steady Burn
- Low Smoke and Ash

CONTACT US

www.chaargold.com | +91 8105270415

Crafting Carbon Perfection

The Briquette Story

What are Charcoal Briquettes?

Charcoal briquettes are engineered fuel blocks made from carbonised biomass. Wood and agricultural residues are converted to charcoal by pyrolysis (heating in a low-oxygen environment), then milled, blended with a binder and compressed into blocks of precise shape, size and density.

Unlike irregular lump charcoal, briquettes deliver the same quality in every piece: predictable ignition, a stable burn and consistent heat, with far less smoke, sparking and residue. A cleaner, more efficient and more controllable fuel for everything from a family grill to an industrial furnace.

Did you know?

Briquettes are pressed to a precise size and density, so every piece in a batch burns alike: steady, predictable heat.

60-79%	6,800-7,800	60-240+ min	500-700°C
Fixed carbon	GCV, kcal/kg	Burn duration	Peak temperature



CIRCULAR BY-PRODUCTS

Wood vinegar is captured and drummed at source.

MADE IN-HOUSE

From biomass to briquette, under one roof.

Every CHAARGOLD briquette is made in-house in our own pyrolysis retort units, giving us direct control over raw material, temperature, residence time and yield: the variables that decide fixed carbon, ash and burn quality.

1. **Biomass sourcing** — Selected wood and agri residues
2. **Pyrolysis retort** — Controlled, low-oxygen carbonisation
3. **Milling & blending** — Fine carbon mixed with binder
4. **Briquetting** — Pressed to shape, density, size
5. **Drying & packing** — Quality-checked, export ready

Advantages that you can measure

- **Uniform quality** — Identical shape, size and density in every piece, with +/-1-2 mm tolerance.
- **High heat output** — GCV of 6,800-7,800 kcal/kg for fast, powerful, efficient heating.
- **Long, steady burn** — Stable heat for 60-240+ minutes depending on size and application.
- **Low smoke & odour** — Minimal smoke after ignition and a neutral aroma. Ideal for cooking and dining.
- **Low ash, no sparking** — Residual ash of just 2-8% with none to minimal sparking. Easy clean-up.
- **Strong & durable** — Drop resistance of 95%+ and durability of 90-98% mean less breakage in transit.
- **Eco-conscious** — Made from renewable biomass residues through a controlled pyrolysis process.
- **Made to order** — Custom shapes, dimensions and weights to suit your customer requirement.

GET A QUOTE | **www.chaargold.com | +91 8105270415**

CHAARGOLD

Crafting Carbon Perfection

Did you know?

The central bore of a hexagonal briquette and the channels in a honeycomb one let air flow through, helping them burn evenly.

Our Range

Three shapes. One standard of excellence.



CENTRAL-BORE | UNIFORM

BRIQUETTES

Hexagonal

Designed for consistent burning and high heat output. A strong, uniform hexagonal structure with efficient airflow through the central hole delivers a steady, long-lasting burn with low smoke and minimal residue.

Uniform | High Heat | Long-Lasting | Efficient

KEY FEATURES

- Uniform shape, even stacking
- High heat output & efficiency
- Airflow through central bore
- Low smoke, low ash

BEST FOR

- BBQ & grilling
- Heating
- Industrial applications
- Tandoor

BRIQUETTES

Pillow

Crafted for quick ignition, steady heat and a smooth, consistent burn. The compact pillow shape offers excellent handling and efficient combustion with low smoke and minimal residue.

Quick Ignition | Steady Heat | Clean Burn | Easy Handling

KEY FEATURES

- Faster ignition, easy handling
- Steady, even burn duration
- Clean burn, minimal residue
- Compact, efficient combustion

BEST FOR

- BBQ & grilling
- Restaurants & catering
- Small Tandoors
- Hospitality



QUICK LIGHT | EASY HANDLING



MAX AIRFLOW | LONG BURN

BRIQUETTES

Honeycomb

Engineered with a unique honeycomb structure for excellent airflow, efficient combustion and consistent heat. Its robust form provides a steady, long-lasting burn with minimal smoke and residue.

Efficient | Long-Lasting | Clean Burning | Consistent Heat

KEY FEATURES

- Engineered for maximum airflow
- Superior heat & longer burn
- Robust, durable form
- Efficient & eco-friendly

BEST FOR

- Tandoor
- Grilling
- Commercial kitchens
- Industrial use

Custom shapes, dimensions and weights available on request.

LEARN MORE

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Technical Data

Typical Specifications *

CHEMICAL *	
Moisture	3-8%
Ash	7-12%
Volatile matter	15-28%
Fixed carbon	60-79%
GCV	6,800-7,800 kcal/kg
Sulphur	<0.1-0.5%
Chlorine	<0.05-0.2%
Total carbon	60-79%

PHYSICAL *	
Density	0.8-1.2 g/cm³
Compressive strength	≥2-5 MPa
Drop resistance	≥95% intact
Abrasion / durability	≥90-98%
Dimensions	Per customer
Weight per piece	Per size / customer
Size tolerance	±1-2 mm

MADE TO YOUR SPEC
Custom shape, size and density to your requirement.

BURNING PERFORMANCE *	
Ignition time	1-10 min
Burning duration	60-240+ min
Burn rate	~3-8 g/min
Max temperature	~500-700°C
Operating temp.	~450-650°C
Residual ash	2-8%
Smoke	Minimal after ignition
Odour	Minimal / neutral
Sparking	None to minimal
Heat output	Stable & uniform

** All specifications and values are indicative and may vary with storage, usage and other parameters.*



LEADERSHIP

Prem Raj

FOUNDER & CHIEF TECHNOLOGY OFFICER

Prem Raj is the Founder and Chief Technology Officer of CHAARGOLD, bringing over 15 years of experience in sustainable energy, biomass conversion and carbon solutions. An engineer, innovator, patent holder and passionate agriculturist, he combines technical expertise with practical industry knowledge to develop advanced pyrolysis technologies and high-performance carbon products.

With global exposure across diverse markets, he is also a successful hotelier and brand-builder, driven by a vision to create sustainable businesses that deliver lasting value for customers, communities and the environment.

> *Innovation is not just about creating new technologies; it is about transforming challenges into sustainable opportunities that create lasting value for people and the planet.*
> — Prem Raj

CHAARGOLD PRODUCT PORTFOLIO

- **CHAARGOLD™ Lump Charcoal** - Prosopis Juliflora, Coconut Shell, Bamboo & others
- **CHAARGOLD™ Briquettes** - Hexagonal, Pillow and Honeycomb
- **BIOCHAARGOLD™** - Our Premium Biochar Brand
- **GoldFlame™** - Our Signature Charcoal Briquette Stoves
- **Pyrolysis Retort Units** - Turnkey Biochar and Charcoal Manufacturing Solutions
- **Value-Added Byproducts** - Wood Vinegar, Wood Tar, Liquid Smoke & others

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ChaarGold Group of Companies

Connect on WhatsApp

Corporate Headquarters : Bengaluru, Karnataka
Manufacturing Facility : Penukonda, Andhra Pradesh

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A Complete Range of Carbon Solutions for a Sustainable Future