



Hussnain Enterprises / AA Industries Pvt Limited

Sustainable Resources | Stronger Tomorrow

From Nature's
By-product to a
Sustainable Future

Rice Husk

A by-product of rice milling, rice husk is the outer protective layer of the rice grain. It is a lightweight, fibrous material, rich in silica and organic matter, and widely used in various industries and applications.



Specifications

	Moisture content	:	8 – 12% (typical)
	Bulk density	:	80 – 120 kg/m ³
	Particle size	:	5 – 20 mm (varies)
	Ash content	:	15 – 25%
	Silica (SiO ₂) content	:	15 – 20%
	Organic matter	:	70 – 80%
	Carbon (C)	:	35 – 45%
	Nitrogen (N)	:	0.3 – 1.0%
	pH (in water)	:	5.5 – 7.0
	Calorific value (for fuel)	:	13 – 16 MJ/kg

Note: Values can vary based on rice variety, region and processing method.

Uses of Rice Husk



Agriculture

- Used as organic fertilizer and soil conditioner
- Helps improve soil structure and water retention
- Can be used as animal bedding



Bioenergy / Fuel

- Used as biomass fuel for boilers and power plants
- Can be converted into briquettes or pellets
- Has high calorific value



Construction Materials

- Used in lightweight concrete and bricks
- Improves insulation and reduces weight
- Acts as a partial substitute for sand and other fillers



Industrial Applications

- Source of silica for manufacturing (e.g., silicon, glass)
- Used in particle board and composites
- Raw material for activated carbon



Other Uses

- Feedstock for mushroom cultivation
- Used in paper and packaging industries
- Can be processed into biochar



Key Benefits of Rice Husk



Renewable
and abundant



Eco-friendly
and biodegradable



Low cost



Reduces waste
from rice milling



Supports sustainable
agriculture and energy



WhatsApp
+92 309-511156



Call
+92 324-1604687



E-mail
husnainenterpris2@gmail.com



Address

Industrial Area Lahore Sheikupura Road, Pakistan

Turning Agricultural Residues
into Valuable Resources