



**GLOBAL
GREEN BELL**
ENERGIES PVT. LTD.

SUSTAINABLE ENERGY FOR GREENER TOMORROW

Powering industry through bioenergy



ABOUT US

Global Green Bell Energies Private Limited (GGEPL) is an infrastructure-led renewable energy and bio-energy company committed to supporting India's transition toward a cleaner, more energy-secure future.

Founded in 2024 and backed by promoters with over 25 years of experience across infrastructure, power, and real estate, Global Green Bell has been established to build scalable, asset-backed renewable energy solutions aligned with national policy direction and industrial demand.

India's clean energy transition requires commercially viable, industrial-scale alternatives—solutions rooted in execution, not just concepts.

Global Green Bell operates at the intersection of policy, infrastructure, and institutional energy demand, delivering structured solutions that are practical, compliant, and scalable.

WHY GLOBAL GREEN BELL EXISTS

Across India:

- Coal dependency is gradually being reduced
- Biomass co-firing in thermal power plants is mandated
- Industries face increasing carbon reduction pressure
- Agricultural waste burning continues to create environmental challenges
- Soil health is deteriorating due to excessive chemical fertilizer usage

Despite these realities, reliable renewable fuel supply chains and biomass energy infrastructure remain limited.

Global Green Bell was founded to bridge this critical execution gap

We convert agricultural residues and renewable biomass feedstock into industrial-grade bio-fuels and carbon products, enabling industries to transition away from coal without operational disruption.

At the same time, our solutions help address two major national challenges:

- Agricultural waste management
- Soil carbon depletion

Through structured bio-energy production and carbon applications, **Global Green Bell** contributes to clean energy generation, sustainable agriculture, and long-term environmental balance.



MISSION

To produce high-quality bio-energy and biomass-based carbon products at scale, reduce agricultural waste challenges, support India's long-term Net Zero commitments, and strengthen national energy independence through sustainable biomass utilisation.

VISION

To become one of India's most trusted and scalable renewable energy and bio-energy platforms, enabling industries to transition from fossil fuels to clean alternatives profitably, responsibly, and with long-term sustainability

WHAT WE DO

Global Green Bell focuses on the production of industrial-grade biomass fuels and carbon products designed to replace fossil fuels and support environmental sustainability.

Our primary product segments include:

- Bio Pellets
- Bio Briquettes
- BioChar
- Activated Carbon
- MSW & Waste To Energy (WTE) Solutions

These products are designed to serve industrial energy demand, environmental systems, and agricultural sustainability.



BIO PELLETS

Bio Pellets are compressed biomass fuel manufactured from agricultural residues and renewable feedstock such as Napier grass, crop waste, and wood-based biomass.

These pellets are engineered to deliver consistent calorific value, uniform size, and efficient combustion, making them an effective coal replacement across diverse industrial applications.

Bio Pellets support the Government of India's biomass co-firing mandate for thermal power plants and help industries reduce carbon emissions while continuing to operate existing boiler systems without major modifications.

Applications include:

- Thermal power plants (biomass co-firing)
- Industrial and commercial boilers
- Manufacturing facilities
- Large-scale process heating systems

Key Advantages:

- Lower carbon emissions compared to coal
- High combustion efficiency
- Uniform fuel quality
- Reduced ash generation
- Compatibility with existing infrastructure



BIO BRIQUETTES

Bio Briquettes are high-density biomass fuel blocks manufactured through the compression of agricultural residues and organic biomass.

Designed for stable heat output and efficient combustion, briquettes serve as a cost-effective and environmentally responsible alternative to coal and furnace oil in industrial heating applications.

Due to their high density and consistent calorific value, bio briquettes ensure steady energy output while reducing fuel handling complexity.

Applications include:

- Industrial furnaces
- Manufacturing units
- Food processing industries
- Commercial heating systems

Key Advantages:

- Consistent thermal performance
- Reduced smoke and emissions
- Cost-efficient fuel alternative
- Easier storage and transportation

Bio briquettes help industries meet sustainability and emissions compliance requirements seamlessly, without operational disruption.



BIO CHAR

Advanced Carbon Material for Industrial & Environmental Applications

Bio Char is a carbon-rich material produced through the controlled pyrolysis of biomass under limited oxygen conditions. It is used across industrial processes, environmental systems, and agricultural applications.

Industrial Applications:

- Steel and ferro alloy industries
- Carbon additive in metallurgical processes
- Industrial carbon material applications
- Environmental filtration systems

Agricultural & Environmental Applications:

- Restores soil health and supports carbon sequestration
- Addresses soil degradation caused by excessive use of Urea and DAP
- Improves soil organic carbon and soil fertility
- Enhances soil structure and pH balance

Bio Char functions both as an industrial carbon material and a carbon sequestration solution, supporting industrial applications, environmental systems, and sustainable land restoration.



ACTIVATED CARBON

Activated Carbon is a highly porous carbon material used for adsorption and purification applications.

It is widely used in:

- Water purification systems
- Wastewater treatment plants
- Industrial filtration systems
- Environmental pollution control

Activated carbon is essential for removing impurities, contaminants, and toxins from liquids and gases, supporting industrial operations as well as environmental compliance requirements.

MSW & WASTE TO ENERGY (WTE) SOLUTIONS

Structured Municipal Waste Processing & Energy Recovery

Global Green Bell develops integrated waste-to-energy solutions that convert municipal solid waste into usable energy and Refuse Derived Fuel (RDF), supporting urban infrastructure and compliance frameworks.

Focus Areas:

- Scientific waste processing
- RDF production
- Energy recovery from waste streams
- Reduction of landfill dependency
- Support for municipal compliance



MANUFACTURING & OPERATIONS

Factory Location:

Plot no: 395, Apiic Industrial growth center, Gundlapalli(v), maddipadu (M), Prakasam dist, Andhra Pradesh - 523211.

Production Capability:

Facilities are designed for year-round, industrial-scale operations with a focus on operational efficiency, environmental compliance, and scalable production capacity.

- Operational efficiency
- Environmental compliance
- Scalable production capacity

The company is strategically positioned to serve industrial demand across:

- Andhra Pradesh
- Telangana
- Karnataka
- Odisha
- Other emerging industrial regions in India



WHO WE SERVE

Global Green Bell's energy and carbon products are designed for large institutional and industrial consumers.

Our customers include:

- Thermal Power Plants
- Steel & Ferro Alloy Industries
- Industrial & Commercial Boiler Operators
- Manufacturing Facilities
- Water & Wastewater Treatment Systems
- Environmental and Filtration Applications

LEADERSHIP

Global Green Bell is led by promoters with over 25 years of experience in infrastructure development, energy systems, and large-scale project execution.

The leadership team combines technical expertise, financial discipline, and long-term strategic planning, enabling the company to build scalable renewable energy infrastructure aligned with India's clean energy transition.



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OUR COMMITMENT

Global Green Bell is committed to building long-term renewable energy infrastructure through disciplined project execution and responsible capital deployment.

Our commitments include:

- 100% renewable and biomass-based energy focus
- Asset-backed infrastructure development
- Strong industrial market linkages
- Structured project planning and operational discipline
- Targeted IRR range of 15-18%
- Estimated project payback period of approximately 3-4 years

Corporate Information

Factory Location:

● Plot no: 395, APIIC Industrial growth center, Gundlapalli(v), maddipadu (M), Prakasam dist, Andhra Pradesh - 523211

Registered Office

● Block C706, Lansum Eden Gardens Kondapur - 500084

Corporate Office

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