

An IFGE Publication

# BIOENERGY HORIZON

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**BIOENERGY | BIOFUEL | BIOMASS | WASTE TO ENERGY**

**Unlocking India's Bioenergy Potential:**

**Rajnath Ram** Advisor (Energy)

**Anurag K Sachan**

Consultant Energy, NITI Aayog

**CBG-CGD Synchronization Scheme:**

**Praveer K Agrawal**

ED (Mktg-Gas), GAIL

**SAMARTH Mission: An Initiative by Ministry of Power:**

**Satish Upadhyay**

Mission Director, SAMARTH

MISSION

**Uttar Pradesh: Leading the Charge in Bio-Energy Innovation and Sustainability:**

**Narendra Bhooshan**

Additional Chief Secretary, Energy and

Additional Energy Department, Govt. of U.P.



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# Message



**Dr. Pramod Chaudhari**  
Founder and Chairman  
Praj Industries, President, IFGE

With immense pride, I announce the publication of the debut edition of ***Bharat Bioenergy Horizon***, a magazine dedicated to bioenergy, a crucial pillar in India's Bioenergy transition. As the President of the **Indian Federation of Green Energy (IFGE)**, an organization founded in 2014 to advocate for renewable energy solutions, I am pleased to witness this milestone that reflects our ongoing commitment to advancing sustainable energy in India.

India, one of the world's fastest-growing economies, faces a critical challenge in meeting its energy demands while minimizing environmental impact. With over 70% of our energy still reliant on fossil fuels, transitioning to cleaner, renewable sources is urgent. The government has set ambitious targets under the National Biofuels Policy and the Renewable Energy Development Program to promote biofuels, biomass, and biogas. Thanks to its vast agricultural residue and diverse ecosystems, India holds significant potential to lead the world in biomass-based energy production.

While India's bioenergy sector is well-informed for growth, it faces challenges in ecosystem development, investment, policy alignment, and infrastructure. Despite these obstacles, there have been notable strides in biomass power plants, biofuel production, and biogas projects. However, these efforts must be scaled to meet India's energy goals.

This is where ***Bharat Bioenergy Horizon*** steps in. The publication will serve as a comprehensive resource, offering insights into technological innovations, policy shifts, and industry success stories. It aims to be a platform for knowledge-sharing where innovators, entrepreneurs, researchers, and policymakers can collaborate to address the challenges and opportunities in the bioenergy space.

The magazine will explore how India can align its bioenergy strategies with national renewable energy objectives, focusing on regulatory frameworks, investment incentives, and waste management. It will also highlight emerging technologies, such as second-generation biofuels, waste-to-energy solutions and co-product valorization which are key to reducing India's reliance on fossil fuels and mitigating environmental concerns.

In addition, ***Bharat Bioenergy Horizon*** will examine innovative financing models that can bring the necessary capital to scale bioenergy projects. As green finance grows, bioenergy must attract investment to reach its full potential. The publication will present successful funding strategies, offering valuable insights for industry leaders and investors.

One of the most exciting aspects of bioenergy is its ability to empower rural communities. Bioenergy can drive rural development by providing decentralized energy solutions and creating jobs. Through case studies, the magazine will showcase how bioenergy projects transform local economies, creating a model for sustainable rural growth.

Ultimately, ***Bharat Bioenergy Horizon*** will offer more than just an overview of the sector; it will provide a roadmap for its growth. The magazine aims to foster collaboration, drive policy discourse, and highlight successful projects that can inspire further initiatives. It will empower industry stakeholders with the knowledge and tools to navigate the bioenergy landscape.

As India continues its push toward renewable energy, bioenergy will play a pivotal role. By addressing the sector's challenges through collaboration and information-sharing, ***Bharat Bioenergy Horizon*** will contribute to the growth of bioenergy in India, helping the country remain at the forefront of the global renewable energy movement.

I extend my heartfelt congratulations to the editorial team and contributors for bringing this vision to life. Your dedication will help make ***Bharat Bioenergy Horizon*** a trusted platform that shapes the future of bioenergy in India.

I invite all our members, partners, and readers to engage with this exciting new publication as we continue to advocate for a sustainable and energy-secure future for our country.

Together, let us unlock the full potential of bioenergy and create a greener, more sustainable India.