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Host State & Co-organiser

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जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY



सड़क परिवहन
एवं राजमार्ग मंत्रालय
MINISTRY OF
ROAD TRANSPORT
AND HIGHWAYS



INDIA BIOENERGY & TECH EXPO

3rd International Conference & Exhibition on
Bioenergy and Technologies

August 11-13, 2026

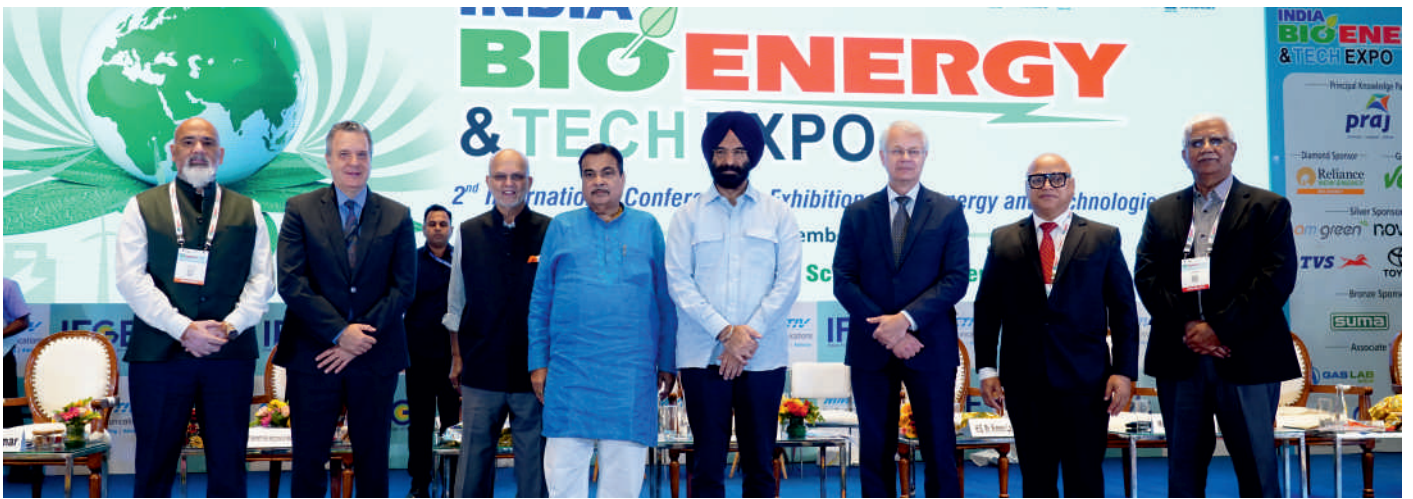
India Expo Center and Mart, Greater Noida

Theme: Advancing Bioenergy Solutions
for a Low Carbon World



Host State: Uttar Pradesh
Hub of Bioenergy in India

Background



The major challenge in today's world is to combat from emissions, wherein industries, transport and automobile sector has bigger role to play. The discussion at Global Platforms; **United Nations Framework Convention on Climate Change (UNFCCC)** under Paris Agreement has united the several countries to work on the reducing emissions. Many countries and Industry Giants are working very aggressively to identify and innovate the technologies to curtail down this Global issue. **Government of India** has taken various initiatives which includes promoting Bioenergy which is derived from **various agricultural inputs, biological waste, agricultural residue** and **Municipal Solid Waste**. The **Global Biofuel Alliance** announced by **Shri Narendra Modi**, Hon'ble Prime Minister of India at G-20 is providing the impetus to Bioenergy Sector and creating international ties.

About the Event



The 3rd edition of IBET Expo 2026, a premier International Exhibition and Conference on Bioenergy and Technology is scheduled to be held from **August 11-13, 2026**, at **India Expo Centre & Mart, Greater Noida, Uttar Pradesh**.

With the remarkable success of previous editions, **Government of Uttar Pradesh** invited IFGE & MM Activ to organise the 3rd IBET Expo 2026 in Uttar Pradesh. This edition is jointly organised by **Indian Federation of Green Energy (IFGE)** and **MM Activ Sci-Tech Communications**, and **Government of Uttar Pradesh** - the **Host State** and **UPNEDA** as the **Co-Organiser**.



The 3rd IBET Expo 2026 will feature an Exhibition and International Conference on Bioenergy focussing on the theme **"Advancing Bioenergy Solutions for a Low Carbon World"**. The event will cover key sectors like **Compressed Biogas (CBG)**, **Ethanol**, **Bio-Diesel**, **Waste to Energy**, **Bio-Mobility**, **Biomass (Pellets and Briquettes)**, **Sustainable Aviation Fuel (SAF)**, **Biohydrogen**, **CCUS**, and **Biomaterials**.

The expo will showcase the latest technologies, machinery, equipment, innovations, products, and services, providing a platform for industry stakeholders to connect, collaborate, and explore business opportunities. This event supports India's goal of achieving Net Zero by 2070.

International Participation

IBET 2025 witnessed participation of many overseas companies from Europe, USA, South East Asia, Middle East etc. The overseas participation is expected to grow with many more overseas companies taking part in this edition.

State Participation

In past two events different State Governments showcased their state policies on Bioenergy including UP, Assam, Maharashtra etc. In this 3rd edition more State participations are expected.



Shri Nitin Gadkari
 Hon'ble Minister of Road Transport and Highways, Government of India
 Patron, IFGE

India Bioenergy and Tech Expo 2025 reflects a strong, futuristic vision for the bioenergy sector. I appreciate the efforts for bringing the entire ecosystem under one roof. I am sure the collaboration, innovation, and research will inspire India's society and industry toward a sustainable bioenergy-driven future.



Shri Pralhad Joshi
 Hon'ble Minister of New & Renewable Energy & Consumer Affairs, Food and Public Distribution, Government of India

India Bioenergy and Tech Expo 2025 reflects the inclusive growth while showcasing India's rising clean-energy momentum. With strong farmer-industry participation, Phase-II of the National Bioenergy Program will expand budgets, strengthen R&D, and boost indigenous manufacturing.



Smt Rekha Gupta
 Hon'ble Chief Minister, Government of Delhi

IFGE has done a commendable job of working on Bioenergy sector and providing a platform for Bioenergy companies to come together and showcase their capabilities. Government of Delhi is planning to promote Bioenergy projects and supports such initiatives.



Dr. Pramod Chaudhari
 President, IFGE & Founder Chairman, Praj Industries

India Bioenergy and Tech Expo 2025 is a platform which unites innovators, strengthens India's renewable energy mission, and drives the initiative for a sustainable, self-reliant energy future. I believe the participants will be benefited from this initiative and upcoming editions also.



Shri Hardeep Singh Puri
 Hon'ble Minister of Petroleum and Natural Gas, Government of India

India Bioenergy and Tech Expo 2025 reflects a strong, futuristic vision for the bioenergy sector. I appreciate the efforts for bringing the entire ecosystem under one roof. I am sure the collaboration, innovation, and research will inspire India's society and industry toward a sustainable bioenergy-driven



Shri Shripad Naik
 Hon'ble Minister of State for Power and New & Renewable Energy, Government of India

The efforts put in by Government and stakeholders, supported by international alliances and policy initiatives, are transforming India into a global biofuel hub while advancing toward a cleaner, self-reliant, and sustainable future. I appreciate IFGE for organising this international event which will go a long way in strengthening this sector.



Shri Tarun Kapoor
 Advisor to Hon'ble Prime Minister of India

Biofuels and bioenergy are extremely important for the government today and for the nation as a whole. If we want to achieve self-sufficiency in energy and also provide clean energy for various uses—particularly in transport and \ cooking—bioenergy is one of the key solutions. I am happy that IFGE has taken a lead and organised IBET to bring together the stakeholders.



Host State: Uttar Pradesh Hub of Bioenergy in India

Uttar Pradesh-India's fourth largest state by area, largest state by population, and fifth largest state economy-is undergoing rapid transformation, with its Gross State Domestic Product (GSDP) rising from ₹13.30 lakh crore (2016–17) to over ₹30.25 lakh crore (2024–25). As the country's leading agricultural state, contributing 46% of sugar production, and with 915 urban units and 64 statutory cities, it offers abundant feedstock such as Agri biomass, sugar mill waste, MSW, and used cooking oil for ethanol, CBG, biodiesel, and biomass fuels.

A strong consumption base—driven by a large vehicular population, thermal power plants co-firing biomass, and extensive CGD networks—positions the state as a natural leader in bioenergy production. Supported by proactive policies, Uttar Pradesh is emerging as a bioenergy powerhouse, already leading in ethanol production (180 crore litres in 2023–24), with 38 operational CBG plants, 78 under construction, and a growing biomass ecosystem. With a robust production landscape coupled with very attractive bioenergy policy, the state has emerged as a key investment destination. To showcase this potential globally, the Uttar Pradesh New and Renewable Energy Development Agency has partnered with IFGE to host the 3rd IBET Expo (IBET) 2026. The event aims to attract investments, strengthen technology development, and position Uttar Pradesh as a leading hub for bioenergy investment and business engagement, with strong participation from government leadership, policymakers, and industry stakeholders.

Concurrent Events

INDIA CBG & TECH EXPO



- **Policy Push:** SATAT, CBG–CGD Synchronization | Central Financial Assistance under the Waste-to-Energy programme | Biomass Aggregation Machinery (BAM) | Development of Pipeline Infrastructure (DPI)
- **Investment Support to strengthen feedstock aggregation and CBG offtake infrastructure :** National Bioenergy Programme (NBP) Phase-I (2022–26) with an outlay of ₹ 998 crore | BAM scheme (₹ 564.75 crore) | DPI scheme (₹ 994.5 crore).
- **Target & Current Status:** SATAT Target - 5,000 CBG plants with annual CBG production capacity of 15 MMT. Currently, Registered plants - 1,645, Commissioned Plants - 201 commissioned, and under construction plants - 319 under construction,
- Under the vision of “One Nation, One Gas Grid,” India’s NG pipeline network has expanded to over 25,400 km, with 10,459 km under construction, enabling nationwide gas connectivity and facilitating CBG integration into the gas grid.

INDIA ETHANOL & TECH EXPO



- **Ethanol Blending:** ~20% achieved (Feb 2026).
- **Impact Since 2014:** ₹1.59 Lakh Cr forex savings | 813 LMT CO₂ reduction | 270 LMT crude substitution.
- **Policy Support:** Interest subvention | long term offtake agreement | feedstock-linked pricing.
- **Investment Potential:** ₹40,000+ Cr (around \$4.8 billion) by 2030.
- **SAF Market:** ₹1,390 Bn (about \$16.8 billion) by 2030; India targets 1% (2027), 2% (2028).
- **SAF Opportunity:** 6–8 Bn litres demand by 2030; ₹3–6 Bn (\$35–\$71 million) investment per plant, offering strong export potential to Europe and Asia-Pacific markets.

INDIA WASTE TO ENERGY & TECH EXPO



- **Untapped Potential:** 5,690 MW Waste to Energy from urban and Industrial waste; only ~2% utilized;
- **Agri Residue generation:** 350 MT/year | 18,000 MW potential | Government Support ₹ 3,926 Cr | 42,000+ Custom Hiring Centres; 3.24 lakh machines.
- **MSW Generation:** 62 MT/year | 1,500+ MW potential | 21 WtE plants (248.8 MW) operational.
- **Capacity Growth Over the past decade:** +2,361 MW biomass | 228 MWe WtE | 2.88 lakh biogas plants (last decade).
- **Industry Indicator:** Bitumen demand at 922 TMT (Feb 2026).
- Platforms such as the **India Waste to Energy & Tech Expo** are helping showcase advanced waste-to-energy technologies and strengthen industry collaboration.

INDIA BIOMASS & TECH EXPO



- **Projected Indian biomass market :** ~ ₹ 330 billion (USD 3.86 billion) by FY 2030–31, reflecting the growing role of biomass in India’s clean energy transition.
- **Mandate:** 5% biomass or MSW-derived charcoal blending in Thermal Power Plants, increasing to 7% for plants in the Delhi-NCR.
- According to SAMARTH Mission, cumulative biomass co-firing by NTPC Limited reached 3.72 million tonnes by 30 November 2025, including 1.58 million tonnes during 2024–25 alone.
- **Impact:** Cleaner energy | reduces dependence on fossil fuels/ Coal
- Platforms such as the **India Biomass & Tech Expo** are promoting the adoption of **biomass pellets, briquettes, and biochar** as viable **coal substitutes for power generation and hard-to-abate industrial sectors.**

INDIA BIO MOBILITY & TECH EXPO



- **India’s transport sector consumes:** 94 Mtoe (18% of total energy); road uses 70% diesel, 99.6% petrol sales; ~95% fossil dependent; freight trucks 38%, passenger cars 25%.
- **Opportunity:** Biomobility enables low-carbon fuels, reduces fossil fuel imports, supports circular bio-economy and lower emissions.
- **Emerging Sector:** Covers all transport modes; complements e-mobility.
- **Ecosystem:** Ethanol | Biodiesel | 2G Ethanol | SAF | CBG | Bio-hydrogen | Marine fuels.
- The **India Bio-Mobility & Tech Expo** will showcase **technologies for producing transportation fuels from bio-based feedstocks**, promoting adoption across the sector.

INDIA BIODIESEL & TECH EXPO



- **India’s biodiesel market :** ~ ₹ 38.3 billion (USD 461.6 million) in 2024 and is projected to nearly double to ₹77.7 billion (USD 936.1 million) by 2033, reflecting strong growth potential in the biofuel sector.
- **Blending Target:** India targets 5% biodiesel blending by 2030. Current blending remains around 0.5%, indicating significant scope for expansion.
- **Policy support:** Reduction in GST on biodiesel procurement for blending from 12% to 5%, improving market viability and encouraging industry participation.

International Conference on Bioenergy & Technologies



Focus Areas:

- Compressed Biogas (CBG)
- Biomass (Pellets & Briquettes)
- Ethanol
- Sustainable Aviation Fuel (SAF)
- Biodiesel
- Biohydrogen
- Shipping and Marine Biofuels
- Bio-Mobility
- Advanced Biomaterials (Biochar, Bio-Bitumen etc.)
- Carbon Capture, Utilisation and Storage
- Carbon Credits in Bioenergy Sector
- Financing, Incentives & Subsidies



Why Attend

- Gain indepth knowledge about the entire Bioenergy spectrum, including CBG (Compressed Biogas), Ethanol, Biomass, WastetoEnergy (W2E), BioMobility, and Sustainable Aviation Fuel (SAF), Biorefineries and Bioenergy.
- Opportunity to interact with policymakers, ministerial officials, diplomats and consultants influencing the clean energy landscape.
- Opportunity to interact with key stakeholders such as EPC contractors, industry leaders, PSUs, and research institutions.
- Stay updated and showcase emerging technologies, trends, and innovations driving the bioenergy sector forward.
- Explore business opportunities through B2B meetings and strategic networking sessions.
- Understand the regulatory framework, including incentives, subsidies, and government support mechanisms.
- Attend expertled sessions focused on addressing current challenges and financing solutions in the sector.
- Build partnerships and collaborations with domestic and global energy players.
- Leverage the platform to launch new products and amplify brand visibility across the energy ecosystem.

Exhibitor & Visitors Profile

Biofuel: Energy Companies

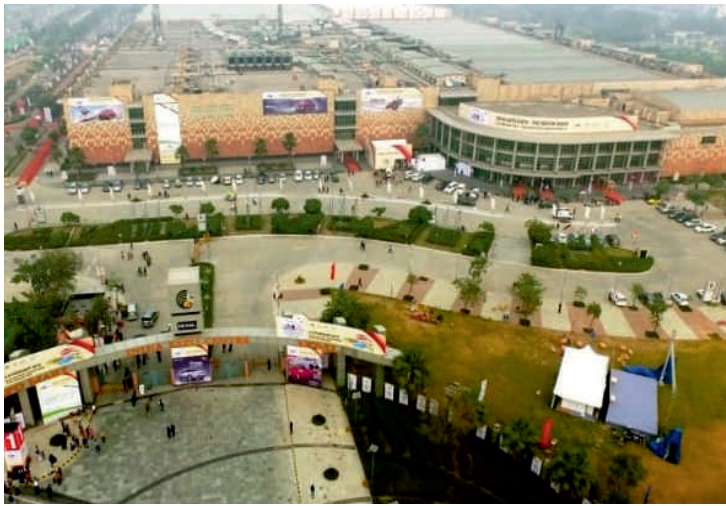
- CBG Producers • Ethanol Producers and Distillers
- Biomass Pellets and Briquettes Processors and Suppliers • Biofuel Processors • Waste to Energy Companies • Bio-Mobility

Raw Material Suppliers

- Feedstock Suppliers/Aggregators • Industrial Enzyme / Biotechnology • Microorganism Companies
- Sugar Cane/Grain Suppliers • Biomass Plantation Companies • Farmers

Equipment, Machinery, EPC & Technology

- Digester Companies
- Machinery and Equipment of Pellets and Briquettes
- Pipeline Manufacturers and Distributors Manufacturers and Distributors of Industrial Valves
- Power Generation Equipment Manufacturers
- EPC Contractors • Processing Plants for Used Cooking Oil • Agricultural Equipment (Harvesters, Tractors, Bailleurs, etc.) Manufactures
- Boiler Manufacturers • Project Management and Consultants • Technology Providers
- Research and Development Companies
- Investors, Bankers, Financial Institutions and Insurance Bodies



About the Venue

India Expo Centre & Mart – Greater Noida

The India Expo Centre & Mart (IEM) in Greater Noida, Uttar Pradesh (Delhi NCR) is one of the country's most advanced exhibition and convention facilities, purpose-built to host large-scale trade fairs like IBET Expo 2026. For more details visit <https://indiaexpomart.com/>

The Venue is well connected by public transport including Metro with major mode of transport hubs of Delhi NCR: Railway, Airport, Highways.

Our Valuable Partners - IBET Expo 2025



About Organisers



Indian Federation of Green Energy (IFGE); a dedicated trade body promoting green and bio energy across all sectors of economic development since 2014. Our efforts focus on driving innovation, policy advocacy, and practical solutions that enable the transition to clean energy for a greener and more sustainable future.



MM Activ Sci-Tech Communications is an integrated media organization dedicated to advancing knowledge sharing and business collaboration across science, technology, and industry. Through its core verticals—media, events, partnering, and advisory—it facilitates global engagement among industry, academia, policymakers, and thought leaders, driving innovation, partnerships, and investment in frontier technologies.



Co-organiser UPNEDA

Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA) is the nodal agency driving renewable energy deployment in Uttar Pradesh, with a strong focus on solar, green hydrogen, and bioenergy to promote sustainability and attract investments.

Conference

Indian Federation of Green Energy

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