

PRESS RELEASE

Aprava Energy hosts Pre-Summit for India AI Impact Summit to Co-Create an AI-Driven Renewable Energy Future

New Delhi, February 13, 2026: Aprava Energy, India's leading integrated energy solutions provider, hosted an official pre-summit event ahead of the **India AI Impact Summit 2026**, focused on **"Co-Creating the Renewable Energy Future through AI: Collaboration Across Government, Think Tanks and Academia."** Held at IIT Delhi, the event brought together senior stakeholders from government, industry, academia, and policy think tanks to collaborate and deliberate on the role of AI in supporting India's renewable energy and power sector transition. The discussions focussed on three central themes: identifying areas where AI can deliver the greatest impact across the renewable energy ecosystem, understanding how AI solutions are being operationalised in real-time power sector operations, and exploring collaborative frameworks needed to scale successful AI deployments across the sector.

The event was graced by the presence of **Shri S. K. Sarangi, Secretary, Ministry of New and Renewable Energy (MNRE)**, who in his keynote address said, "With the rapid growth of renewable energy in India's energy transition journey, the emphasis must now be on addressing system integration, affordability, reliability, and long-term sustainability to ensure the system functions efficiently and delivers a least-cost transition pathway. Artificial intelligence has the potential to create impact across every stakeholder in renewable energy management, from project developers and grid operators to distribution licensees, consumers, and policymakers."

Shri Ghanshyam Prasad, Chairman, Central Electricity Authority (CEA), said, "Managing the power system is becoming increasingly complex. What was once easier to handle with smaller volumes of solar and wind now requires far more precise forecasting, planning, and system balancing. Forecasting errors remain a key challenge, and artificial intelligence has the potential to help address these limitations by enabling planners and system operators to better manage a growing number of variables."

Shri Samir C. Saxena, Chairman and Managing Director, GRID-INDIA, said, "As renewable energy penetration continues to rise, grid operations are becoming increasingly more complex, driven by the scale, velocity, and diversity of data now being generated across the power system. The challenge is no longer access to data, but the ability to convert large volumes of real-time information into actionable insights that enhance situational awareness and enable informed decision-making."

Shri Rajiv Ranjan Mishra, Managing Director, Aprava Energy, said, "The focus is now shifting from simply adding capacity to effectively managing the variability of renewables to ensure grid stability, improve forecasting, integrate storage, and enable smarter participation in power markets. As power systems become more complex and consumer behaviour increasingly influences demand, digitalisation and AI are emerging as critical enablers of a more efficient, resilient, and intelligent energy ecosystem."

Key discussion themes from the pre-summit:

- Transition from capacity-led renewable expansion to system-led planning, with AI enabling reliable and cost-efficient integration of renewables.
- AI-driven forecasting and scheduling to manage renewable variability and reduce grid balancing and deviation risks.
- Growing importance of distribution intelligence, smart metering, and behind-the-meter resources in shaping future demand and system flexibility.
- Use of AI for predictive maintenance, asset performance optimisation, and smarter market participation across generation and grid operations.

- Need for secure, interoperable data frameworks and robust cybersecurity safeguards to enable scalable AI deployment.
- Importance of cross-sector collaboration and talent development at the intersection of power systems, digital technologies, and artificial intelligence.

Apraava's evolution from conventional power generation to integrated energy solutions spanning renewable energy, transmission, and smart metering infrastructure reflects the broader transformation of India's energy ecosystem toward clean energy and intelligent power systems. Leveraging insights from its smart metering data, the company has developed DISCOM GPT, an AI-enabled solution that monitors distribution transformers' health in real time to help utilities detect emerging risks and undertake predictive maintenance. This pioneering AI and ML solution was recently recognized by the Ministry of Power for advancing innovation in India's power distribution sector.

Apraava is also developing AI models to improve forecasting, optimize generation, enhance participation in power markets, and implement predictive maintenance solutions across its renewable portfolio. Backed by decades of experience in managing wind and solar assets, the company aims to further strengthen performance, efficiency, and reliability through the use of artificial intelligence.

The India AI Impact Summit is a global forum hosted by the Government of India from February 16-20, 2026, to advance the inclusive, responsible, and action-oriented adoption of artificial intelligence across key sectors. The insights and actionable recommendations emerging from the discussions will be consolidated into an outcome report and formally submitted to the Ministry of Electronics and Information Technology of India (MeitY) as part of the deliberations for the India AI Impact Summit.

About Apraava Energy

Apraava Energy is India's leading integrated energy solutions provider headquartered in Mumbai. It is jointly owned by the CLP Group —one of the largest investor-owned power businesses in Asia and La Caisse (formerly CDPQ), a global investment group.

Founded in 2002, Apraava has evolved from being a single-asset business to a forward looking, climate-conscious organisation spread across 13 states in India. Its portfolio comprises ~3.4 GW of installed capacity which includes ~1200 MW of wind and 250 MW of solar energy projects, a 1320 MW coal-fired super critical power plant, three power transmission assets (~516 kms; 3.5 GW substation capacity) and 2.5 million installed smart meters.

In addition, three greenfield transmission projects (~463 kms of transmission lines and 5.5 GW substation capacity), a wind project (300 MW) and two solar projects (550 MW) are under construction. The company has also forayed into Advanced Metering Infrastructure (AMI) business and is executing orders of ~7 million+ smart meters in Assam, Gujarat, West Bengal, Himachal Pradesh, Rajasthan, Puducherry and Madhya Pradesh.

Apraava Energy is among the handful of Indian power sector companies to commit to the SBTi and only the second in the sector to have them validated.

The company aims to invest in low-carbon growth areas, including renewable energy, power transmission and distribution, as well as other non-generation, customer-focused energy businesses.

Apraava is proud to be certified as a Great Place To Work® for the third consecutive year (Dec 2025 – Dec 2026), reflecting its commitment to fostering a workplace built on trust, performance, and positivity. In 2024, the company was also featured among the Top LinkedIn Companies in India.

For more information, please visit: www.apraava.com

For further information, please contact:

Apraava Energy
Madhurima Gupta Jain
E: madhurima.jain@apraava.com

Edelman India
Saloni Sheth
E: saloni.sheth@edelman.com



L to R: S. K. Sarangi, Secretary, Ministry of New and Renewable Energy (MNRE); Rajiv Ranjan Mishra, Managing Director, Apraava Energy; Ghanshyam Prasad, Chairman, Central Electricity Authority (CEA); Samir C. Saxena, Chairman and Managing Director, GRID INDIA