



4th CII Conference on Smart Metering

Enabling a Future-Ready Digital Distribution Framework

6th May 2026 | Hotel Le-Meridien, New Delhi

Background

India stands at a pivotal moment in its energy transition. With rising demand and rapid urbanisation, the power sector is transforming, and smart metering has emerged as a key enabler, delivering real-time visibility, efficient grid management, reduced losses, improved revenue assurance, and greater consumer empowerment.

Through initiatives such as the Revamped Distribution Sector Scheme (RDSS) and the National Smart Grid Mission (NSGM), the Government of India has accelerated nationwide AMI deployment, with daily installations rising from 15,000 to over 1.12 lakh. States such as Bihar, Maharashtra, and Uttar Pradesh are leading this progress.

Under RDSS, India targets the installation of 250 million smart meters by March 2028, covering consumers, distribution transformers, and feeders to strengthen billing efficiency, reduce losses, and enhance grid management.

The first Smart Metering Conference in 2022 highlighted the potential of smart grids, meters, and digital solutions in revolutionising power distribution. It emphasised the need for active stakeholder participation in adopting these technologies. Building on this, **the second conference in 2024** delved deeper into the progress made and chart a path forward for achieving India's target of 250 million smart meters by 2025.

The Second Smart Metering Conference themed "*Empowering Future: Accelerating Smart Meter Adoption Through Innovation and Collaboration*" in 2024 provided an important platform for discussions on issues in the smart metering landscape. CII also has **core groups on smart metering and transmission**. The Core Group on Smart Metering has identified operational challenges, like frequent testing, system integration delays, and supply-demand inconsistencies in the smart metering industry. The group during its meetings has underscored the need for skill development, improving infrastructure and connectivity, prioritizing data use cases for sustainability and EV integration, and advocating for smart meters to be classified as infrastructure to unlock better financing options. Importance of data privacy, cybersecurity, and compliance with the Digital Personal Data Protection Act were also highlighted.

CII successfully concluded the **Third Edition of the Smart Metering Conference** in May 2025. Themed "*Revolutionizing Metering Solutions for Smart Distribution System*", it brought together policymakers, regulators, utilities, AMISPs, technology leaders, investors, and international experts for a full day of high-impact discussions. The outcomes were clear: India has the manufacturing capacity, financing support, and technological capability to scale. What is now required is stronger collaboration, faster implementation, data-driven execution, and consumer-centric adoption. In this regard, the Government of India has taken decisive action on data security and data privacy, reinforcing trust and enabling large-scale deployment.

Objective

Following the successful Third Edition, **CII is organising the Fourth Edition of the Smart Metering Conference on 6 May 2026 at Hotel Le Meridien, New Delhi.** With the theme **“Enabling a Future-Ready Digital Distribution Framework,”** the conference will focus on smarter grids, data-driven operations, and future-ready power distribution, with a clear agenda to strengthen the Indian market and accelerate digitalisation across the power sector.

This year's conference aims to shift the narrative from deployment to impact and will focus on:

- Scaling AMI rapidly and responsibly through robust execution frameworks and field-tested models.
- Unlocking the power of smart meter data for analytics, forecasting, demand-side management, outage reduction, and power-purchase optimisation.
- Advancing cybersecurity and DPDP compliance as digitalisation deepens across utilities.
- Strengthening interoperability and standardisation to build a truly multi-vendor, scalable national ecosystem.
- Expanding smart metering across electricity, gas, and water to create integrated, future-ready urban infrastructure.
- Transforming consumer engagement to build trust, increase acceptance, and make prepaid/postpaid transitions seamless.
- Attracting private investment through secure, predictable financial and contractual models.

Key Features of the 2025 Smart Metering Conference

- International & State Level Participation
- B2B and B2G meetings to foster collaborations
- Technical Sessions for in-depth discussions on key topics
- Delegates: 1,000+ participants from industry, government, and academia
- Business & Policy Focus: Driving discussions on market trends and regulatory frameworks
- Case Studies: Showcasing state and international best practices in smart metering
