

# WattWise.

Monday, 10<sup>th</sup> March 2025, 3:00 PM to 6:30 PM



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Transforming India's Energy Landscape with  
**Smart Meters**

## Global Webinar Event

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## Transforming India's Energy Landscape with Smart Meters

### BACKGROUND

The smart meter market in India is experiencing transformative growth, driven by government initiatives, significant investments, corporate involvement, and promising market forecasts. Under the National Smart Grid Mission 2023, power distribution companies had deployed 18.27 million smart meters by December 2024. The mission aims to replace 250 million conventional electricity meters with smart prepaid meters by 2025-26 under the Revamped Distribution Sector Scheme, targeting areas with high urban populations and significant technical and commercial losses.

The Indian government has committed INR 3037.58 billion (£29 billion) over five years to support prepaid smart meter projects in a phased manner. This substantial funding underscores the government's focus on modernizing power distribution and enhancing operational efficiency. Market forecasts further highlight this momentum, with the Indian smart meter market projected to grow from 150.44 million units in 2023 to 219.13 million units by 2028, reflecting a CAGR of 7.81%. Globally, the smart meter market is set to expand from USD 25.166 billion in 2024 to USD 48.871 billion by 2032, demonstrating a CAGR of 8.65%.

Corporate participation is a key driver in this evolution, with companies like Tata Power already deploying over 510,000 smart meters in Mumbai, Delhi, and Odisha. Investment estimates from Power Grid and Adani Energy Solutions Ltd stand at ₹1.5 lakh crore and ₹2.2 lakh crore, respectively, highlighting the vast opportunities in this sector. As of 2023, the India smart meter market was valued at US\$ 219.7 million, with projections suggesting it will grow to US\$ 3,179.5 million by 2032 at an impressive CAGR of 34.57%.

Despite challenges, the government plans to install 250 million smart meters nationwide in the next three to four years, supported by a comprehensive tendering process. While progress has been gradual, with 18.27 million smart meters installed as of December 2024, ICRA projects a rapid acceleration in installations over the coming years.

This ambitious initiative reflects a strong commitment from both the public and private sectors to modernize India's energy landscape. By adopting smart metering technologies, the country is poised to significantly improve energy management, reduce losses, and enhance efficiency, laying the foundation for a more sustainable and reliable power distribution system.

Here's a proposed session structure for a 2-to 3-hour event aimed at buy-side and sell-side & industry participants, focused on the landscape of smart meter implementation.

### Why Attend This Transformative Event?

Join us at this premier event to explore how India is revolutionizing its energy infrastructure with a focus on smart metering technology. Designed for forward-thinking investors, industry leaders, and innovators, this forum offers unparalleled insights into a program poised to reshape energy management across the nation.



**Strategic Insights:** Discover India's vision to install 250 million smart meters by 2027, backed by an investment of ₹1.54 lakh crores (£17 billion), and understand its implications for global energy markets.



**Actionable Intelligence:** Gain critical knowledge of the latest advancements in smart metering technology, policy frameworks, and operational strategies that are setting new benchmarks in efficiency and sustainability.



**Unmatched Opportunities:** Identify key investment avenues and partnership prospects in one of the fastest-growing energy sectors, as public and private stakeholders drive unprecedented modernization.



**Network with Leaders:** Engage with policymakers, industry pioneers, and corporate executives shaping the future of energy in India and beyond.

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As India advances toward installing 250 million smart meters by 2027, this event will spotlight the innovation and partnerships driving a projected market growth of 34.57% CAGR through 2032. Together, we'll explore how these shifts are transforming energy management and unlocking global investment opportunities.

*Shankhini Saha (IR-Dickenson)*

### Programme Schedule:

## “Transforming India's Energy Landscape with Smart Meters”

Time	Session Title	Designation
Start Time 3:00 PM (20 Minutes)	<b>Welcome and Opening Remarks</b>	<b>Shankhini Saha</b> CEO & Director of Investor Relations, Dickenson World
(20 Minutes)	<b>Session 1: Manufacturing Excellence in Smart Meter Production</b>  <b>Focus:</b> HPL's advancements in smart meter manufacturing, including scalability, quality control, and integration of cutting-edge technologies for enhanced efficiency.	<b>Rishi Seth</b> Managing Director, HPL Electric and Power Limited
(20 Minutes)	<b>Session 2: Innovations in Panel Enclosure Design for Smart Metering</b>  <b>Focus:</b> Innovations in panel enclosure design for smart meters, emphasizing durability, industry standards, and custom solutions tailored to the Indian energy landscape.	<b>Ankit Agarwal</b> CEO and Whole-time Director, RMC Switchgears Limited
(20 Minutes)	<b>Session 3: Precision Components in Smart Meters: The Role of Shunt Resistors</b>  <b>Focus:</b> The critical role of precision components like shunt resistors in smart meters, highlighting Shivalik Bimetal's expertise in improving accuracy and reliability.	<b>Kabir Ghuman</b> Managing Director, Shivalik Bimetal & Controls Limited
(20 Minutes)	<b>Session 4: Regulatory Perspectives on Smart Meter Deployment</b>  <b>Focus:</b> Regulatory frameworks, compliance strategies, and future policies aimed at accelerating smart meter deployment in India.	<b>Rajesh Bansal</b> Ex CEO, BRPL
(20 Minutes)	<b>Session 5: Evolving Smart Meter Industry Trends and Challenges</b>  <b>Focus:</b> A deep dive into market trends, policy developments, and the evolving landscape of the smart meter industry.	<b>B.S. Babel</b> Independent Director, Secure Meters and RR Kabel
(20 Minutes)	<b>Panel Discussion: Overcoming Implementation Challenges in Smart Meter Rollout</b>  <b>Focus:</b> Addressing practical challenges in smart meter rollouts, including supply chain complexities, cost management, regulatory hurdles, and execution concerns	<b>Moderated by Shankhini Saha</b> All Speakers
(10 Minutes) (Finish by 6:00 PM)	<b>Closing Remarks</b>  <b>Focus:</b> Key takeaways from the event and a summary of actionable insights for stakeholders in the smart meter ecosystem.	<b>Shankhini Saha</b> CEO & Director of Investor Relations, Dickenson World

## SPEAKERS & PANELISTS:



**Rishi Seth** is an MBA in Finance. In a career spanning over 29 years, he has been instrumental in **HPL Electric & Power Limited's** organic growth. As the Managing Director, he is responsible for shaping the Company's strategic perspective, leading to its diversification and expansion into new avenues, including EPC projects and forays into green projects.

He oversees the institutional and government business in addition to select manufacturing facilities. His significant achievement includes HPL's growth in the utility segment, establishing it as a globally leading Smart Meter manufacturer.



**Ankit Agarwal** is the CEO and Whole-time Director of **RMC Switchgears Limited**, a leading manufacturer of enclosures and electrical infrastructure solutions in India. Under his leadership, the company has established itself as a key player in providing durable and cost-effective panel enclosures, particularly for smart metering projects. A forward-thinking leader, Ankit emphasizes sustainability and scalability in design, making RMC a preferred partner for large-scale energy modernization initiatives. His expertise and strategic approach have positioned RMC as a critical contributor to India's smart metering revolution.



**Kabir Ghumman** is the Managing Director of **Shivalik Bimetal Controls Ltd. (SBCL)**, a leading manufacturer of precision electrical components for energy, automotive, and electronics sectors. With extensive expertise in manufacturing and engineering, Kabir has led SBCL's growth through innovation and operational excellence. Under his leadership, the company has developed advanced technologies like Electron Beam Welding and Diffusion Bonding, enabling high-precision components such as shunt resistors and bimetal strips. His strategic vision has positioned SBCL as a trusted partner for OEMs, playing a pivotal role in India's energy modernization and smart metering revolution.



**B.S. Babel** brings over 49 years of rich experience in the electrical industry, with a distinguished career spanning leadership roles and contributions to the sector's growth. As the past President of the **Indian Electrical and Electronics Manufacturers Association (IEEMA)**, he played a pivotal role in advancing industry standards and fostering collaboration among stakeholders. With a proven track record of building high-performing global teams, he has contributed significantly to expanding market footprints for leading companies. Currently, he serves as an Independent Director on the Boards of Secure Meters and RR Kabel, where he provides strategic guidance for innovation and operational excellence. His current focus lies in exploring transformative opportunities in the energy storage domain, reflecting his forward-looking vision for sustainable energy solutions.



**Rajesh Bansal** is the former CEO of **BSES Rajdhani Power Limited (BRPL)**, a leading power distribution company in India. With over three decades of experience, he has been a key figure in India's energy sector, focusing on intelligent metering and smart grid solutions. During his tenure at BRPL, he implemented innovative strategies to reduce distribution losses and spearheaded initiatives like a training program with Havells India to enhance electrical safety and best practices. Rajesh played a pivotal role in advocating for India's smart metering transition, emphasizing the importance of installing 250 million smart meters to address challenges in power distribution. He has also contributed to large-scale projects at the Reserve Bank of India and the Unique Identity Authority of India, and remains a strong advocate for technology-driven solutions to enhance consumer benefits and operational efficiency.



**Shankhini Saha** is the CEO & Director of Investor Relations at **Dickenson World**, a respected global investor relations, capital markets communication, and ESG advisory firm. With an exceptional academic background, including an MPhil with distinction from the University of Cambridge, Shankhini brings unparalleled expertise in strategic stakeholder engagement. She is highly regarded for her ability to craft compelling communication strategies that resonate with investors and stakeholders alike. Passionate about innovation and excellence, Shankhini continues to set new benchmarks in capital markets communication on a global scale.

### Nota Bene:

*At the time of publishing this brochure, the panelists listed are either confirmed or have been invited and are considering participation. Please note that changes to the speaker lineup may occur due to unforeseen availability circumstances on the day of the event. We appreciate your understanding.*

For more information about the event, including registration, sponsorship opportunities, or speaking engagements, please contact Shankhini Saha, CEO & Director of Investor Relations at Dickenson World. Whether you're interested in attending, showcasing your brand as a sponsor, or contributing as a speaker, she will ensure your experience is impactful and tailored to your objectives.

### Reach out

at [shankhini.saha@dickensonworld.uk](mailto:shankhini.saha@dickensonworld.uk) or call +91 73044 81351 to explore how you can be part of this transformative dialogue on India's energy future.