



HPL Electric & Power Limited

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February 21, 2025

The Manager,
Listing Department,
National Stock Exchange of India Ltd.
“Exchange Plaza”, C-1, Block G,
Bandra-Kurla Complex, Bandra (E),
Mumbai – 400 051

The Secretary
BSE Limited
25th Floor, New Trading Ring, Rotunda
Building, PhirozeJeejeebhoy Towers, Dalal
Street, Fort,
Mumbai – 400 001

Symbol: HPL

Scrip Code: 540136

Sub: Press Release

Dear Sir/Ma'am,

Please find enclosed a copy of the communication being released to Press today.

Thanking You
For **HPL Electric & Power Limited**

Vivek Kumar
Company Secretary

Encl: As stated above



Press Release
21st February 2025

HPL & Wirepas Launch the Latest Best in Class RF Solutions for AMI in India

HPL and Wirepas launch the market's first *"Wirepas certified In-meter gateway"* for RF mesh as part of complete end-to-end AMI Solution at Elecrama'25, reducing total cost of ownership & Best in Class Dynamic Network Management and making dedicated gateways redundant.

New Delhi, India; Tampere, Finland – HPL Electric & Power Ltd (HPL), an established electric equipment and Smart Meters manufacturer, and Wirepas, a global leader in IoT connectivity, have partnered to showcase a comprehensive end-to-end smart electricity metering solution, specifically designed to meet India's demanding requirements for Advanced Metering Infrastructure for Electricity metering. The live demonstration at Elecrama in Noida, India (February 22-26, 2025), will feature market's first 'In-meter gateway' embedded in HPL's Smart meter along with Wirepas Mesh Sub-GHz connectivity and Network Management System (NMS) with an RF adapter, seamlessly connecting to the HPL's Head-end system (HES). This fully integrated solution ensures reliable, scalable, and cost-effective connectivity, offering an SLA up to 99.9%.

India's smart metering rollouts rely on both cellular and RF mesh technology. Presently, RF mesh networks require dedicated gateway devices or concentrator units (DCUs) for data flow. Installing these gateways required complex surveys, planning, installation and maintenance – adding complexity and cost to the rollout and other installation practices.

With this innovation, the need for dedicated gateway devices has been eliminated by integrating dual radio capability directly into some of the smart meters in the network: an 865 -868 MHz Range RF radio collects data from up to 300 smart meters over a multi-hop mesh while an LTE modem transmits data to HES over 4G. This innovative approach, known as the **In-meter gateway**, allows any smart meter to function as a gateway by simply upgrading its RF mesh Network Interface Card (NIC) to a dual radio NIC. By sharing a single 4G connection across 300 meters, this solution reduces cost without requiring additional hardware infrastructure.

"HPL has long-standing relationships with utilities across India, many of whom face challenges with cellular network coverage in AMI solutions. With the 'In-meter gateway', we can ensure reliable coverage anywhere while making installations as simple as that of a cellular smart meter. This innovative solution, known as 'In-meter gateway will be a game changer in AMI space looking at benefits it delivers both in terms of cost, reliability & quality of service to our customers & end users" said Rishi Seth, Managing Director of HPL.

"Wirepas has been supporting India's ambitious smart metering rollout, with 5 million smart meters already deployed at SLA of 99.9% and new devices connecting every few seconds. Our end-to-end RF mesh solution with the new in-meter gateway, combined with HPL's high quality smart meters and powerful head-end system, provides utilities with an ultra-resilient, scalable and cost-efficient AMI.

Designed for India's fast evolving smart grid, it ensures seamless and future-proof operation for decades," said Teppo Hemiä, CEO of Wirepas.

HPL will present the market's first 865 -868 MHz Range RF mesh in-meter gateway for Indian AMI at Elecrama at their stand in Hall 1, Stall D10 while Wirepas' will showcase its technology at Hall 7, Booth B11. The demo will showcase a complete smart metering system, consisting of five HPL smart meters including one Smart meter embedded with 'In-meter gateway', and the Wirepas NMS seamlessly connected to the HPL Head-end system. It highlights the effortless interoperability and robust performance of Wirepas' technology in real-world smart metering applications.

The **in-meter gateway** is a key component that bridges the smart meter network to the utility's head-end system. It collects data from multiple meters, aggregates it, and securely transmits it to the head-end system for further processing and analytics. By ensuring seamless integration with existing utility infrastructure, the in-meter gateway enhances network efficiency, reduces data transmission costs, and guarantees timely and accurate meter readings.

About HPL Electric and Power Ltd

HPL is an established electric equipment manufacturing company in India, manufacturing a diverse portfolio of electric equipment, including metering solutions, switchgear, lighting equipment, wires, and cables, catering to consumer and institutional customers in the electrical equipment industry. HPL had the largest market share in India's electricity energy meters market, with one of the most comprehensive portfolios of meters in India and the fifth largest market share for LED lamps during the corresponding period (Source: Frost & Sullivan Report, February 2016). HPL's manufacturing capabilities are supported by an extensive sales and distribution network with a pan-India presence. HPL currently manufactures and sells its products under the umbrella brand 'HPL', which has been registered in India since 1975. www.hplindia.com

About Wirepas

Wirepas is a global leader in IoT connectivity, providing ultra-resilient, infinitely scalable mesh networks for large-scale industrial and commercial deployments. Its technology connects millions of devices worldwide, including the largest network of more than a million smart electricity meters. With proven 99.99% reliability and a team of deep experts guiding projects from planning to maintenance, Wirepas ensures unmatched business continuity. Wirepas is also the main contributor to and first implementor of the first non-cellular 5G standard NR+, purpose-built for massive IoT and using a free global spectrum. Wirepas operates globally across smart tracking, smart building and smart metering sectors. www.wirepas.com



Mr. RISHI SETH

Managing Director
HPL Electric & Power Ltd.



Mr. TEPPU HEMIÄ

Managing Director
Wirepas Oy