



“Elecrama brings together suppliers, consultants and

Gautam Seth, Joint Managing Director, HPL Electric & Power Ltd

What is your contribution in developing R&D ability specifically in smart energy areas?

Our research and development (R&D) teams are constantly working towards designing and developing integrated solutions focused on the smart energy efficient products catering to the Smart Cities initiative by the government. We believe that our R&D capabilities have enabled us to stay abreast of technological developments in the electric equipment industry. We have established two in-house R&D centres, one each at Kundli and Gurgaon, Haryana. Our R&D efforts include design and development of all types of energy metering solutions, including interactive communication between

metering devices and metering infrastructure that includes automatic meter reading (AMR) and advanced metering infrastructure (AMI), prepayment metering solutions, solar net metering solutions, smart meters with two-way communication and a complete range DLMS compliant meters, amongst others, and technologies and solutions that allow for active monitoring of energy consumption for electric equipment. For instance, we have developed a street lighting system that helps in saving manpower through automatic settings for sunset and sunrise timings and remote energy metering and dimming of such lights during off-peak hours to save energy.

How do you plan to leverage mega expo—Elecrama?

Elecrama provides a platform to showcase our product offerings and experience of products and technology in electrical equipment and manufacturing space. It is also a meeting place for the suppliers, consultants and industry experts. Our experience over the last few years has been motivating. The relevant people from different states and power utilities also gather to witness technological developments, as it is one of the best places to reach the end consumer.

It layers the relevant audience for our products and gives extra mileage in the right segment at the right place. This year, we plan to introduce our smart and prepaid meters, solar specialty cables and distribution boxes, energy-efficient lighting products, switchgears range and our MCB range “Osafe”.

India Uniper, we are definitely sourcing lot of experience and expertise from our global partner, but at the same we are training, upskilling and doing the necessary skill/knowledge transfer to overall develop the power sector in India.

“India is actually ahead in many respects. For example if you talk about steam boilers, few Indian plants have more sophisticated and modern technologies compared to even the western countries,” added Bansal.

Emerging Technologies

With government’s major thrust on clean energy technology, requirement of power electronics equipments in clean energy differ from the conventional power generation equipment. Demand for equipment in these industries is growing and will continue to grow in the near future.

“Indian companies can contribute exports for all the power electronics equipments for this industry. i.e. inverters, UPS, chargers etc.,” feels Aniruddh Brahmabhatt from Hitachi Hi-Rel Power Electronics.

For Eaton, technology has always evolved towards improving safety, enhancing ease of use, increasing efficiency and delivering more ROI. According to Syed Sajjadh Ali, there are two technologies which are noteworthy.

- Lithium-Ion batteries are surely one technology that will transform multiple industries. With its high energy density and design life cycle, its deployment is becoming one of the major trends in the Automobiles, Power, and IT industry.
- Internet of Things (IoT): The growing number of connected devices or the IoT is disrupting many existing business models and creating new opportunities. According to Hartek Power, technologies which are set