

EPR

electrical & power review

Also Read:

- ⚡ Navigating Re Surge For A Sustainable Future
- ⚡ Optimising Safety Surge arrester voltage selection tailored to system earthing configurations
- ⚡ India leads RE sector with 72.31 GW solar capacity, unveils green initiatives

■ ■ Get SUNplugged

adani
Solar

Advanced | High-performance | Futuristic

SHINE TOPCon
570+ WP



networks. She says, "This, in turn, fuels a surge in demand for high-quality wires and cables, prompting industry adaptation to meet stringent standards. The emphasis on digitalisation encourages technological advancements, fostering innovation in smart grids, digital security, and communication networks."

Neharika further says, "Implementing these schemes leads to job creation, benefiting the wire and cable sector and contributing to overall economic growth. Compliance with specific standards ensures the production of safe and reliable products, elevating the quality of electrical infrastructure in rural areas."

Product Quality and Compliance (BIS, RoHS, and REACH)

The wires and cables industry addresses counterfeit and substandard concerns while upholding compliance with BIS, RoHS, and REACH through rigorous quality management systems, encompassing thorough testing of raw materials and finished products. Regular supplier audits and qualification processes ensure that suppliers adhere to established standards.

Vinay says traceability systems track materials throughout the supply chain, verifying their origin and compliance. Certifications from relevant bodies, such as ISI for BIS compliance and compliance testing, are integral in ensuring product adherence to required standards. He adds, "Advanced authentication technologies like holograms and RFID tags help distinguish genuine products from counterfeits. Collaborating closely with regulatory bodies like BIS, the industry stays abreast of evolving standards." He further says, "Consumer education initiatives highlight the importance of purchasing from reputable manufacturers, emphasising the risks associated with substandard or counterfeit products."

Gautam says, "HPL Electric and Power Ltd is focused on product quality and compliance with global standards. Ensuring the highest safety standards, environmental responsibility, and performance in the wire and cable industry is imperative. To address the prevalent issues of counterfeiting and substandard products, we adhere strictly to the guidelines set by the Bureau of Indian Standards (BIS), Restriction of Hazardous Substances (RoHS), and Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH)."

He adds, "By adhering to these global standards, we not only safeguard the interests of our customers but also contribute to the overall integrity of the wire and cable industry. Our commitment to BIS ensures that our products meet the stringent quality benchmarks established for electrical goods."

Neharika says, "Our wire products are meticulously designed to combat counterfeit and substandard issues, prioritising compliance with BIS, RoHS, and REACH standards. Through stringent quality control measures, traceability, and documentation, we ensure that raw materials, production processes, and finished products meet specified standards." She adds, "Adhering to BIS guidelines, our wire development prioritises quality and safety. We are environmentally responsible, complying with RoHS standards and ensuring our wires are free from hazardous substances for a safer, sustainable environment."

“

"The wire and cable industry plays a crucial role in supporting and fulfilling the objectives of government programmes like RDSS and DDUGJY to enhance rural infrastructure and electrification."



Vinay Rathi,
Director
Gloster Cables

“

"Our wire products are meticulously designed to combat counterfeit and substandard issues, prioritising compliance with BIS, RoHS, and REACH standards."



Neharika Wangnoo,
WAA Cables

“

"The energy transition challenges also bring forth opportunities for innovation, collaboration, and the development of cutting-edge solutions."



Gautam Seth,
Joint MD
HPL Electric & Power

Our commitment extends to REACH regulations, guaranteeing responsible chemical use throughout the product life cycle."

Impact of Renewable Energy Transition

India's shift to renewable energy significantly boosts the demand for wires and cables. With the increasing adoption of solar power, there is a need for extensive wiring in solar projects and rooftop installations. The transition towards renewable energy in India has significantly impacted the demand for wires and cables.

Neharika opines that wind energy projects contribute to demand, requiring specialised cables for turbines and substations. Integrating smart grids and energy storage systems further propels the need for advanced wiring solutions. She says, "The surge in electric vehicle adoption is fuelling demand for charging infrastructure that relies on specialised wiring. Government initiatives and policies supporting renewable energy drive investments, fostering the demand for cables."

"Grid expansion and upgradation to accommodate cleaner energy sources amplify the need for various cable types. Industrial and residential solar installations contribute to the demand for wiring systems, connecting solar panels to the grid," she adds.

Gautam says, "HPL Electric and Power Ltd actively provides solutions that cater to the unique requirements of the renewable