

August 2025

## **Cover Story**



At the Indian Energy Storage Week 2025, ICA India and IESA highlighted the urgent need for safe EV charging in residential and commercial buildings through the Right to Charge – Maharashtra report. With over 95% of EVs in India charged at workplaces or homes, buildings have become the backbone of the EV ecosystem.

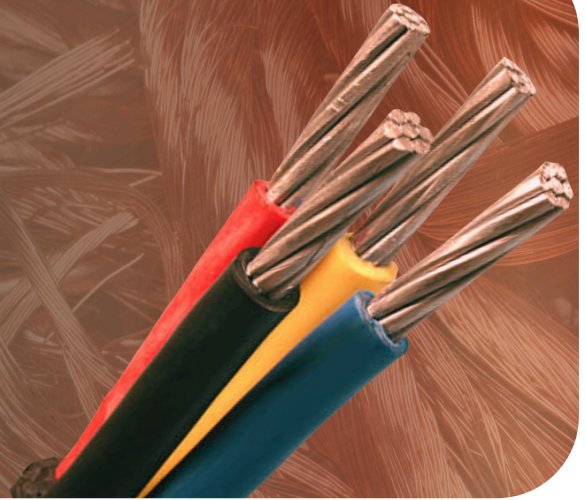
ICA India has been actively engaging state authorities, DISCOMs, fire departments, and real estate associations to shape safety-focused guidelines and approvals. Key challenges include transformer limitations, RWA restrictions, and risks from unskilled electrical work.

To address this, ICA recommends phased deployment, strict cabling and fire safety standards and OEM-backed safe charging methods. By making safety central to EV infrastructure, India can accelerate adoption while ensuring consumer confidence and protection.

[Read the Main Article](#)

## Copper Updates

# Copper's Key Role in Cables



Mr. Mayur Karmarkar, MD, ICA India, recently shared his valuable insights about the key role of copper in cables with the IEEMA magazine. Being one of the major forces behind India's energy transition, Copper's unmatched conductivity, durability, and recyclability make Copper an indispensable element of the developmental process.

Though copper contributes just 0.2% of global GHG emissions, its use enables far greater carbon savings, supporting sustainable growth. In India, as the policies at the government level drive housing, transport, renewable expansion and digital connectivity; the cable need soars and so goes the copper demand.

40% of the cable consumption is in the buildings. Reliable, safe, and efficient cables are necessary for safeguarding lives, preventing fires, and ensuring uninterrupted energy access. With copper being infinitely recyclable, nearly two-thirds of all copper ever produced remains in use today. Yet India faces a supply gap, relying heavily on imports and secondary copper. To support our national goals, we must invest in high-quality copper cable infrastructure, while building smelting capacity and ensuring safety standards. Copper cables indirectly power progress and sustainability together.

[Read the Article](#)

## **ICA India Events**



### **ICA and CREDAI MoU Signing Promoting Electrical Safety in MMR Projects**

21 August 2025 | Mumbai

ICA India joined hands with CREDAI-MCHI, signing a landmark Memorandum of Understanding (MoU) to advance electrical safety infrastructure in buildings across the Mumbai Metropolitan Region's real estate projects.



### **Championing Copper-Based Remanufacturing for Efficient Transformers**

6-8 August 2025 | Salem & Puducherry

ICA India, along with the National Federation of Engineers and BIS, held workshops with 240+ experts, emphasizing on the superiority of copper cables' in aspects like thermal stability, voltage drop reduction and lifecycle cost, reinforcing their role in safe, reliable building infrastructure.



### **ICA India Promotes Copper Winding For Reliable Transformers**

25-28 July 2025 | Vizag & Chennai

Engaged 500+ professionals to promote copper as the standard for fire-safe, reliable electrical systems.