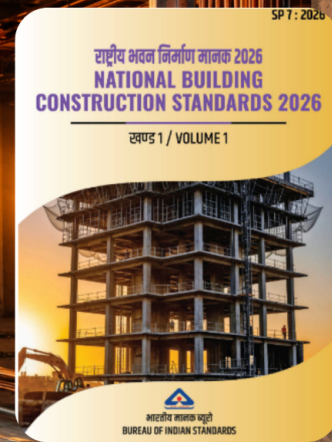


Cover Story.

India's Buildings Finally Have a Wiring Standard Worth Trusting



India's buildings are getting taller, denser and more electrically loaded than ever before. Yet for years, a gap in the building code allowed aluminium substitution in internal cabling above 16 sq mm, leaving safety decisions open to cost-driven choices.

That gap has now been closed.

The revised NBCS SP 7:2026 mandates copper cables across building categories, with 25 sq mm specified for general buildings and 50 sq mm for public and multi-storey buildings. This update matters not only for homes and offices, but also for hospitals, schools, airports, EV charging infrastructure and rooftop solar installations.

The blog explains why this change is a major step for building safety, how copper improves long-term electrical reliability, and how ICA India's evidence-based inputs helped shape this important standards revision.

[Explore the full blog >](#)

Copper Is No Longer Just a Metal. It Is a National Priority.



Copper is no longer just an industrial material. It is now central to India's energy security, clean energy transition and Atmanirbhar Bharat vision.

With copper included in India's Critical Minerals list, the conversation has shifted from cost and supply to national preparedness. India's copper demand is projected to grow nearly five times by 2047, driven by renewable energy, EV charging, smart grids, urbanisation and industrial electrification.

The blog explains why domestic copper capacity has become a strategic priority, how major investments by Hindalco and Adani are reshaping India's copper supply outlook, and why policymakers, industry and investors must plan for a copper-intensive future.

[Explore the full blog >](#)

ICA India Events



ICA India Highlighted the Role of Copper Cables in Improving Operational Reliability in Steel Industries

22 May 2026 | Hospet

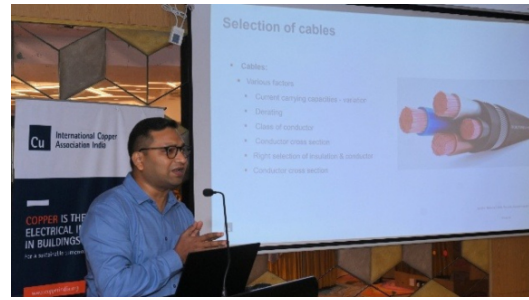
ICA India engaged with the electrical team at Hospet Steel Plant to highlight the role of copper cables in improving operational reliability in steel industries. The discussion focused on better thermal performance, reduced termination failures, lower downtime risk, and improved long-term asset performance.



ICA Discussed Upon Rural Grid Modernization at Power Sector Roundtable

23 April 2026 | New Delhi

ICA delivered a copper-intensive rural grid modernization narrative at a strategic power sector roundtable on reliable and quality electricity supply. The discussion focused on copper distribution transformers, conductors, and network assets as key enablers for reducing technical losses, lowering transformer failures, and improving grid performance across rural India.



ICA India Conducted Workshops on Electrical Best Practices for Modern Buildings

28 April 2026 | Trivandrum, 9 May 2026 | Vadodara, 17 May 2026 | Chennai

ICA India conducted workshops for engineers and designers from developer teams to highlight electrical best practices for modern buildings. The sessions focused on the role of copper cables in improving safety, performance, and sustainability, while reducing fire risks, lifecycle costs, and long-term reliability concerns.



Lifecycle Costing Workshop Conducted for EHV Cable Procurement

13 May 2026 | Vijayawada

A lifecycle costing workshop was conducted for 50+ engineers to support better investment decisions for EHV cable procurement. The session focused on total cost of ownership, reliability, maintenance, losses, outage risks, and the long-term value of copper-based cable

ICA India Events



Electrical Fire Safety in Buildings Discussed with Jharkhand Officials

6 May 2026 | Ranchi

A stakeholder engagement was held with municipal, energy, and electrical inspectorate officials in Jharkhand to support stronger building bylaws aligned with revised National Building Construction Standards 2026. The discussion highlighted the role of copper cables in improving fire safety, thermal stability, reliability, and long-term maintenance performance in buildings.



Power Cable Alliance, led by ICA, organized a roundtable meeting with leading cable makers on Extended Producers Responsibility (Non-ferrous metals scrap)

20 May 2026 | Mumbai

ICA India convened a stakeholder consultation with India's leading cable makers under the Power Cable Alliance to safeguard technical standards for electrical cables. The discussion reinforced copper's role in ensuring safety, reliability, and performance across renewable energy, data centres, and EV charging infrastructure.

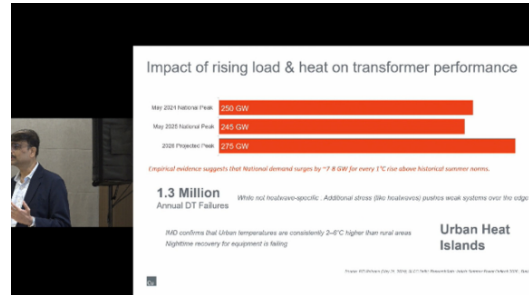
ICA India Events



Separate Metal Asset Valuation Framework Positioned for DISCOMs

7 May 2026 | Lucknow

At UP Energy Expo 2026, ICA positioned separate valuation of metal and non-metal components as a strategic approach to strengthen DISCOM finances. The discussion highlighted how copper-intensive assets such as transformers, cables, and switchgear can improve asset value, borrowing capability, recycling readiness, and long-term grid modernization.

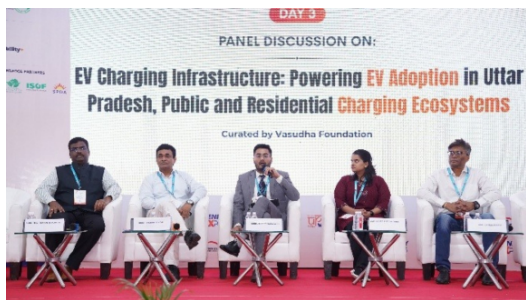


Copper's Role in Electrical Infrastructure Performance Under India's High-Heat Climate Conditions

15 May 2026 | Mumbai

ICA presented the role of copper conductors in ensuring reliable cable and distribution transformer performance under high-heat conditions in India. The discussion highlighted copper's better thermal stability, lower resistance, and improved reliability, supported by a case study where copper-rewound transformers performed without failure for two continuous years.

ICA India Events



Copper Cables Positioned for Reliable EV Charging Infrastructure Under PM E-DRIVE Scheme and UP Energy Expo 2026

30 April 2026 | Delhi

Copper cables were positioned as the preferred choice for safe and reliable EV charging infrastructure through engagements with the Ministry of Heavy Industries and at UP Energy Expo 2026. The discussions focused on electrical safety, cable selection, installation practices, independent earthing, and the need for dedicated checklists and building code compliance to reduce fire risks and support long-term infrastructure reliability.



ICA Conducted Copper-Based Active Repair Training for Distribution Transformers

15 May 2026 | Vijayawada

ICA conducted a hybrid winding assembly training at Balaji Electricals to support copper-based active repair of failed distribution transformers. The session focused on improving transformer reliability, standardizing repair practices, and preparing a scalable refurbishment model for wider adoption across utilities and DISCOMs.

ICA India Events



ICA Engaged Automotive Sector Bodies on Copper Use in EVs

1 May 2026 | Delhi

ICA India held a meeting with SIAM, ACMA, to strengthen collaboration between the copper and automotive industries. The discussion focused on domestic manufacturing capabilities, EV component localization, responsible sourcing, and the role of copper in high-voltage and low-voltage EV applications.

