

August 2026

Cover Story



The Indian home is becoming more electric. Air conditioners, induction cooktops, connected appliances, rooftop solar systems and EV chargers are placing greater demands on household electrical systems. Yet while homebuyers examine layouts, finishes and fittings, the cables concealed behind the walls often receive little attention.

Safe and reliable electrification begins with correctly designed circuits, proper earthing, certified products and conductors capable of carrying growing electrical loads. Discover why copper remains central to safer power delivery, lower electrical losses and homes built for tomorrow.

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How NBCS 2026 is Redefining the Role of Wires and Cables!

ieema journal

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India's built environment is undergoing a massive shift as rooftop solar, EV chargers, and automation push electrical loads to unprecedented levels. The National Building Code Standard (NBCS) 2026 fundamentally redefines wires and cables from low priority commodities into critical infrastructure for real world reliability and fire safety.

Moving beyond baseline compliance, NBCS 2026 mandates larger conductor sizes, advanced residual current protection, and robust copper busbars to handle continuous thermal stress. High conductivity copper serves as the trusted backbone, minimizing power loss and ensuring long-term resilience. This shift to proactive electrical design powers safer, future ready buildings aligned with Viksit Bharat 2047.

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ICA India Events



Advocating Life-Cycle Costing for Smarter Energy Infrastructure Procurement

Hyderabad | India Energy Summit

At the India Energy Summit 2026, lifecycle-cost-based procurement was advocated, highlighting the technical and economic advantages of copper solutions through improved durability, efficiency, safety and residual value. ICA also emphasized the need for asset valuation models to consider material durability, efficiency gains, residual metal value and cost variability to support bankable energy infrastructure.

BUREAU OF INDIAN STANDARDS					
AGENDA					
Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Electrical Energy Storage Systems Sectional Committee, ETD 52	17 th	Wednesday	19th Aug 2026	10:30 AM	Virtual Meeting

Resolutions of 17th ETD 52, Electrical Energy Storage Systems Sectional Committee
Date: 19-08-2026

12. Code of Practice for Installing EESS: A new Working Group for the Code of Practice for Installing Electrical Energy Storage Systems was formed. ICAI (Hemanth Kumar) was appointed as the convener, with members including IESA, SECI, and Anna University.

ICA India leads development for New Installation Standard for BESS

Virtual | Standards & Policy Engagement

The need for a new installation standard for Battery Energy Storage Systems (BESS) was highlighted as a member of the BIS technical committee, particularly in light of a recent fire incident. The engagement helped secure consensus for a new working group, with ICA appointed as convenor, to develop a Code of Practice covering material selection, installation, commissioning and maintenance for safe and scalable BESS deployment.

ICA India Events



Copper for Safe and Reliable Electrical Infrastructure in Data Centres

Mumbai | Data Centres

At a conference organised by the Net Zero Transition Association (NETRA), Participation in a panel on building resilient, sustainable and AI-ready data centres highlighted engaging with 50+ key decision makers and influencers. ICA highlighted the importance of electrical safety and standardisation for high-energy-density AI data centres and advocated copper-based cable solutions, drawing on the national building code provisions for critical loads and copper's role in fire safety and uninterrupted operations.



Highlighting Copper's Critical Role in Reliable Electrical Systems for Hospitality

Goa | Hospitality Sector

The critical role of copper cables was presented to 100+ industry leaders and decision makers, reinforcing the adoption of copper-based electrical systems in hotel buildings. The engagement highlighted revised national building construction standards identifying hotels as high-risk buildings, including special provisions for internal electrical installations with copper-only cable up to 50 sq mm, while demonstrating copper's lower losses, reliability and fire-safety advantages over aluminium.

ICA India Events



Advancing Copper Motors for More Efficient Ceiling Fans

Delhi | Fan Motors Industry

At India's biggest fan motors expo, Participation in a panel discussion on design-led growth and highlighted the importance of integrating reliability into efficient product design. With India's fan motor market at 96 million units and growing at 5%, ICA engaged OEMs, designers, consultants, think tanks and consumers to position copper as a suitable and efficient winding material, while advocating lifecycle value, resource efficiency and greater material transparency.



Promoting Stronger Energy-Efficiency Compliance in Fan Motors

Delhi | Energy Efficiency

Efficiency regulators, OEMs and policy think tanks were engaged in a roundtable to develop a roadmap for improved compliance with minimum energy performance standards (MEPS) for fan motors. The discussion highlighted low awareness and compliance in the MSME sector, the use of aluminium windings associated with non-compliance, and the need for stronger coordination between the Bureau of Energy Efficiency and Bureau of Indian Standards, along with technical and financial support for MSME manufacturers.

ICA India Events



Highlighting Copper's Role in Strengthening Rural Electricity Distribution

Mumbai | Data Centres

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Sharing Insights on Copper Demand and Supply Dynamics

Mumbai | Global Commodity Conclave

At the Global Commodity Conclave panel 'Primary Copper: Demand Momentum vs Supply Discipline – Where is the Balance?', Key megatrends and demand drivers for copper growth in India were highlighted. The discussion noted that building and construction and power infrastructure will continue to anchor demand, while renewable energy, electric mobility and data centres are emerging growth areas. ICA also highlighted refined copper supply gaps and the need for coordinated action among policymakers, smelters, fabricators and recyclers to build a competitive copper supply ecosystem.

ICA India Events



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