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CABLES & WIRES POTENTIAL TO 4x DOMESTIC PRODUCTION

OTHER STORIES:

- SPECIAL FEATURE: India's Energy Landscape
- FOCUS: India Energy Stack
- CASE STUDIES: Flame Retardancy in Cables; Best Installation Practices of Cable Termination for MV Cables
- SPECIAL REPORTS: India meets Peak Power Demand with Zero Peak Shortage; IIT Bombay Startup develops India's most Efficient Solar Cell



Pinpoint LT Cable Faults Faster. Smarter. Safer.

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- Available in various materials and finishes (FS, FT, SS, G)
- Seamlessly integrates with other OBO systems for end-to-end protection





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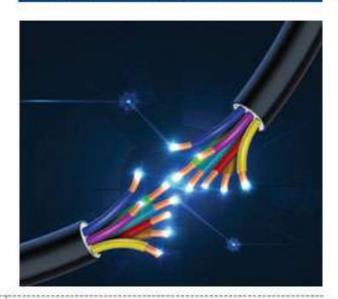
From the President's Desk 11 Samvaad 12

For suggestions and feedback, please write to us on editor.ieemajournal@ieema.org

COVER STORY

Cables & Wires: Potential to 4x Domestic Production

With the aspired global demand for cables and wires to exceed US\$ 400 billion by 2034, India's opportunity stands massive: aiming for domestic production to reach ~US\$ 34 billion at a ~14 percent CAGR and domestic consumption ~US\$ 29 billion at a ~13 percent CAGR by 2034. This story delves into industry growth drivers, the domestic market and its potential, India's increasing share in the global export pie, sectoral trends shaping the future of the industry, India's vision of being a global leader in innovation through R&D and long-term capacity building, industry challenges and recommendations, and more...



THINK TANK



"India is rising as a manufacturing and export hub for high-quality transmission solutions."

- Reshu Madan, Chairman, IEEMA Cables Division

SPECIAL FEATURE

India's Energy Landscape
Powering Growth with Sustainable Energy
Over the past decade, India's power sector
has seen robust expansion driven by rising
demand, infrastructure development, and strong
policy support for both conventional and
renewable energy sources. Electricity generation
has increased from 1,168 BU in 2015-16 to an
estimated 1,824 BU in 2024-25. Similarly, total
installed capacity has grown from 305 GW in
2015-16 to a projected 475 GW in 2024-25.
This report explores the progress and how
India's energy landscape is powering growth with
sustainable energy.

FOCUS

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India Energy Stack

Pioneering a Digital Revolution in the Power Sector This article by Karthik Akkenaguntla explores the India Energy Stack in depth, outlining its objectives and impact across the entire electricity value chain while highlighting its goals to enhance grid stability, empower consumers, and advance India's net-zero ambitions.

Copper's Key Role in Cables

49

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The use and role of copper in cables is significant for efficient clean energy transition. IEEMA Journal's regular column from The International Copper Association India indicates the red metal's position, its movement, direction, and outlook in the cables industry.

INTERACTION

"The winding wire market is expected to grow at a CAGR of 8-10%."

- Shailesh Rathi, Vice Chairman, IEEMA Winding Wire Division

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SPECIAL REPORTS IEEMA ACTIVITIES Strengthening the Regional Supply and India meets Peak Power Demand of 14 241 GW with Zero Peak Shortage Value Chain Development for Electrical Equipment in the SASEC Subregion 79 India successfully met peak power demand of 241 GW on June 9, 2025, with zero peak shortage. 80 Young Entrepreneurs' Programme 2025 Hon'ble Union Power Minister Shri Manohar Lal. recently announced. Meeting with Shri Manoj Kumar Singh, IAS. IIT Bombay Startup develops India's Secretary, Department of Energy, 64 Most Efficient Solar Cell Government of Bihar 81 Union Minister for New and Renewable Energy, Meeting with Shri Rahul Kumar, IAS, Pralhad Joshi, visited the lab at the IIT Bombay campus, calling the newly developed solar cell Managing Director, North Bihar Power technology a 'gamechanger'. Distribution Company Ltd 81 India's First Off-Grid Green Hydrogen Webinar on 'Empowering MSMEs: Growth, 78 **Pilot Plant** Export & Quality Excellence' 82 Adani New Industries has announced commissioning of the country's first off-grid green Awareness Webinar on Quality Control hydrogen pilot plant of 5 MW capacity. Orders (QCOs) 83 CASE STUDIES POLICY UPDATES 85 Best Installation Practices of Cable MNRE launches Rs2.3 crore innovative 66 Termination for Medium Voltage Cables projects start-up challenge. MNRE notifies revised guidelines for WtE projects. Flame Retardancy in Cables: Exploring Safer CEA and IIT Roorkee sign MoU for power sector research and capacity building. Alternatives Between PVC FRLS & LSZH 60 City Accelerator Programme launched. India opens doors to global EV giants with portal Enhancing Cable System Integrity: launch under SPMEPCI. Root Cause Analysis of Joint Failures 72 India achieves 4,000% solar capacity growth. Shri Manohar Lal launches ADEETIE scheme. IEEMA EVENTS Approval to NTPC for investing in NTPC Renewable Energy and its subsidiaries. 74 T&D Conclave 2025 India rolls out first-ever e-truck incentive scheme under green mobility vision. SECI crosses 60 GW of PSAs for RE projects. NEWS 89 NATIONAL MoP notifies method for allocating coal linkages under Revised SHAKTI Policy.

The 17th T&D Conclave brought together more than 300 industry leaders for a dynamic exchange of ideas, advocacy, and collaboration across the T&D ecosystem.

Electrical Fire Safety Conclave, Kolkata 76

Fire Safety Conclave 2025, bringing together critical conversations for safeguarding lives and assets through improved electrical safety standards.

435 MW Gorbea solar power project inaugurated.

NLC India approves Rs16.30 billion investment

RECPDCL signs PIA agreement for smart

metering rollout in Gujarat under RDSS.

THDC commissions Unit-II of 1,000 MW

ADB and GCF launch US\$ 200 million green

IFC commits US\$ 55 million to IndiGrid for BESS.

Bihar approves Renewable Energy Policy 2025.

in RE subsidiary.

Tehri variable speed PSP.

financing programme in India.

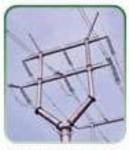






220kV Multi Circuit Tension /Dead End Dust Pole

MSETCL (Maharashtra State ELectricity Transmission Company Ltd.), Mumbal



400kV Double Circuit Tension Dead End V-Pole

MSETCL (Maharashtra State ELectricity Transmission Company Ltd.), Mumbai



400kV S/C "Tension/Dead End" V-Pole

PCCIL (Power Crid Corporation of India Ltd.), Lucknew



220kV Double Circuit Cable Termination Pole

MSETCL (Maharashtra State Electricity Transmission Company Ltd.), Mumbal



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- **L** 0120-648-8470
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Dayanand Swamy Kuna

FIE, C.Eng, President / CEO (EPC & Sales And Marketing)

- +91-83299-40086 · +91-99608-97384
 - dayanand.kuna@salasartechno.com dayanand.kuna@gmail.com

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Registered Office - Mumbai

501, Kakad Chambers, 132, Dr A Besant Road,

Worli, Mumbai 400 018.

Phone: +91(0) 22 24930532 / 6528

Fax: +91(0) 22 2493 2705 • Email: mumbai@ieema.org

Corporate Office - New Delhi

Rishyamook Building, First floor, 85 A, Panchkulan Road, New Delhi 110001. Phone: +91 (0) 11-23363013, 14, 16

Fax: +91 (0) 11-23363015 • Email: delhi@ieema.org

Branch Office - Bengaluru

K Seetharaman, Assistant Director

State Head - Karnataka, Kerala and Tamii Nadu Regional Representative-Southern Region

Mobile: +91 99800 04982 Email: k.seetharaman@ieema.org

Branch Office - Kolkata

Sanjoy Mukherjee, Regional Representative-Eastern Region

Mobile: +91 98308 50757

Email; sanjoy.mukherjee@ieema.org

Website: www.ieema.org

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STATE HEADS

Raiesh Parab

Senior Executive Officer & State Head-Maharashtra

Mobile: +91 97022 69598 Email: rajesh.parab@ieema.org

Anuj Kumar Chaturvedi

State Head-UP, Uttarakhand & MP Mobile: +91 98396 03195 / 95191 38844 Email: anuj.chaturvedi@ieema.org

Ashish Vikram

State Head-UP

Mobile: +91 98733 05589 Email; ashish.vikram@ieema.org

Omkar Pradhan

State Head-Guiarat Mobile: +91 98199 06433 Email: omkar.pradhan@ieema.org

Mohammad Irfan Parray

State Head-Jammu & Kashmir Mobile: +91 98584 55509 Email: Irfan.parray@ieema.org

Nilankha Chaliha

State Head-North East Mobile: +91 97063 89965 Email: nilankha.chaliha@ieema.org

Rajnish Kaushik

State Head-Haryana, Punjab, Himachal Pradesh & Chandigarh Mobile: +91 99911 10246 Email: rajnish.kaushik@ieema.org

Sairam Rayepeddi State Head-Hyderabad

Mobile: 9642345691

Email; sairam_rayepeddi@ieema.org