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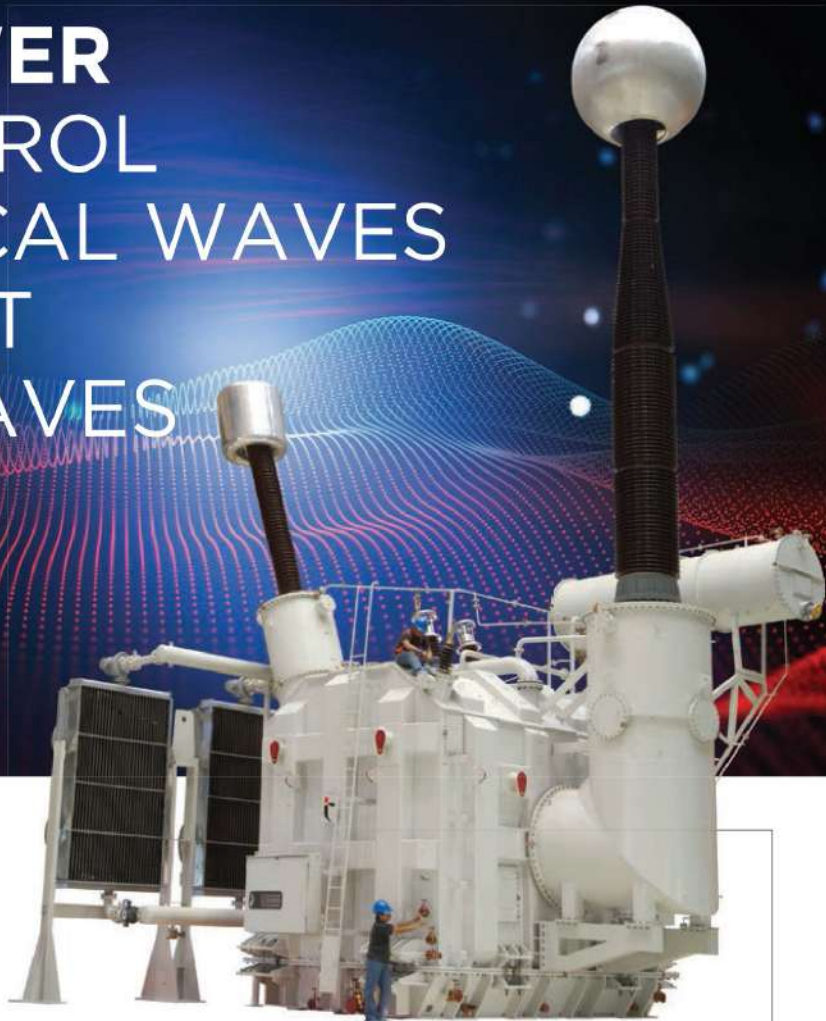
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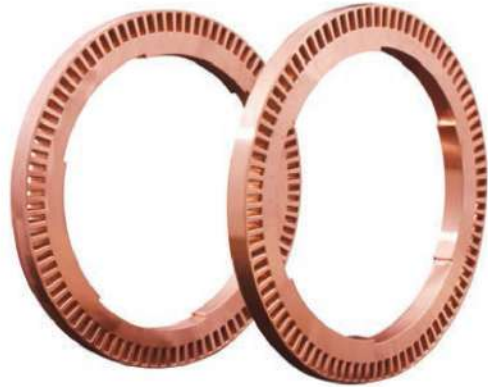
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COVER STORY



India's T&D sector: Transforming and Developing with Technology and Digitalisation

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The T&D sector in India is poised for transformative growth, with opportunities to redefine the energy landscape. With a comprehensive approach involving infrastructure development, policy reforms, technological innovation, digitalisation and skilling, and capacity building, India can build a resilient, sustainable, and globally competitive T&D network, supporting its broader energy transition goals.

FOCUS

Reach Lofty Heights on Firm Foundations 32

Building strong foundations has emerged as a critical challenge in T&D infrastructure projects, challenging the project's stability, sustainability of life and infrastructure. T&D expert and IEEMA columnist **Dr. Deepak Lakhapati, PhD**, addresses lapses in the foundation of power infrastructure and the way forward.



SPECIAL REPORT

Advancing Green Hydrogen Production 42

A strategic alliance signed between TKIL Industries and SoHHytec represents the deployment of the groundbreaking green hydrogen technology in India, set to impact the nation's energy landscape.



IEEMA EVENTS

ELECRAMA 2025: Spectrum of Solutions Powering the Planet

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IEEMA is gearing up to present ELECRAMA 2025 – the world's largest electrical show, with this edition aiming to set new benchmarks, featuring over 1,100 exhibitors, 400,000 anticipated business visitor footfalls, more than 15,000 B2B meetings, 600+ hosted buyers representing 80 countries, and the addition of over 10 country-specific pavilions.

This edition, we showcase ELECRAMA previews held in the past month across:

- Nashik
- Agartala
- Aurangabad
- Kochi
- Mumbai
- Chandigarh
- Kolkata
- Vadodara
- Jaipur

IEEMA EVENTS

Going Global

60

To promote ELECRAMA internationally as well, IEEMA officers visited countries across the globe, meeting important utility officials and key stakeholders while briefing them about the mega event.

This edition, we present a photo-feature of countries visited by IEEMA officers in the past month across:

- Ghana
- Cameroon
- Belgium
- Côte d'Ivoire
- Italy
- Nigeria
- Spain
- Oman

IEEMA EVENTS

Industry Cluster Outreach

74

Beginning with Chhattisgarh, IEEMA hosted its first Industry Cluster Outreach on December 20, 2024.

POLICY UPDATES

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- CEA recognises indigenously developed SHKT technology under hydro category
- India's RE capacity registers 14.2 percent y-o-y growth.
- Centre approves 2,000 MW solar park in Rajasthan.
- MNRE announces significant amendment to ALMM Order 2019 to advance solar manufacturing.
- MoP launches NTPC's green hydrogen buses in Leh.
- MoP notifies draft amendment in guidelines for installation and operation of Electric Vehicle Charging Infrastructure-2024.



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- Powergrid secures bid for two ISTS projects on BOOT basis.
- Odisha Government sanctions Rs13.86 billion RE projects.
- NLCIL commences commercial operation of Ghatampur thermal power plant's Unit-I.
- NGEL and MAHAGENCO form JV for RE parks in Maharashtra.
- NHPC announces winners for 1.2 GW Tranche-VI FDRE projects.
- PFCL incorporates SPV for transmission system expansion in North-Eastern Region.
- West Bengal to modernise three thermal power plants and expand RE projects.
- SECI announces winners for Tranche-XVII solar projects with energy storage.