

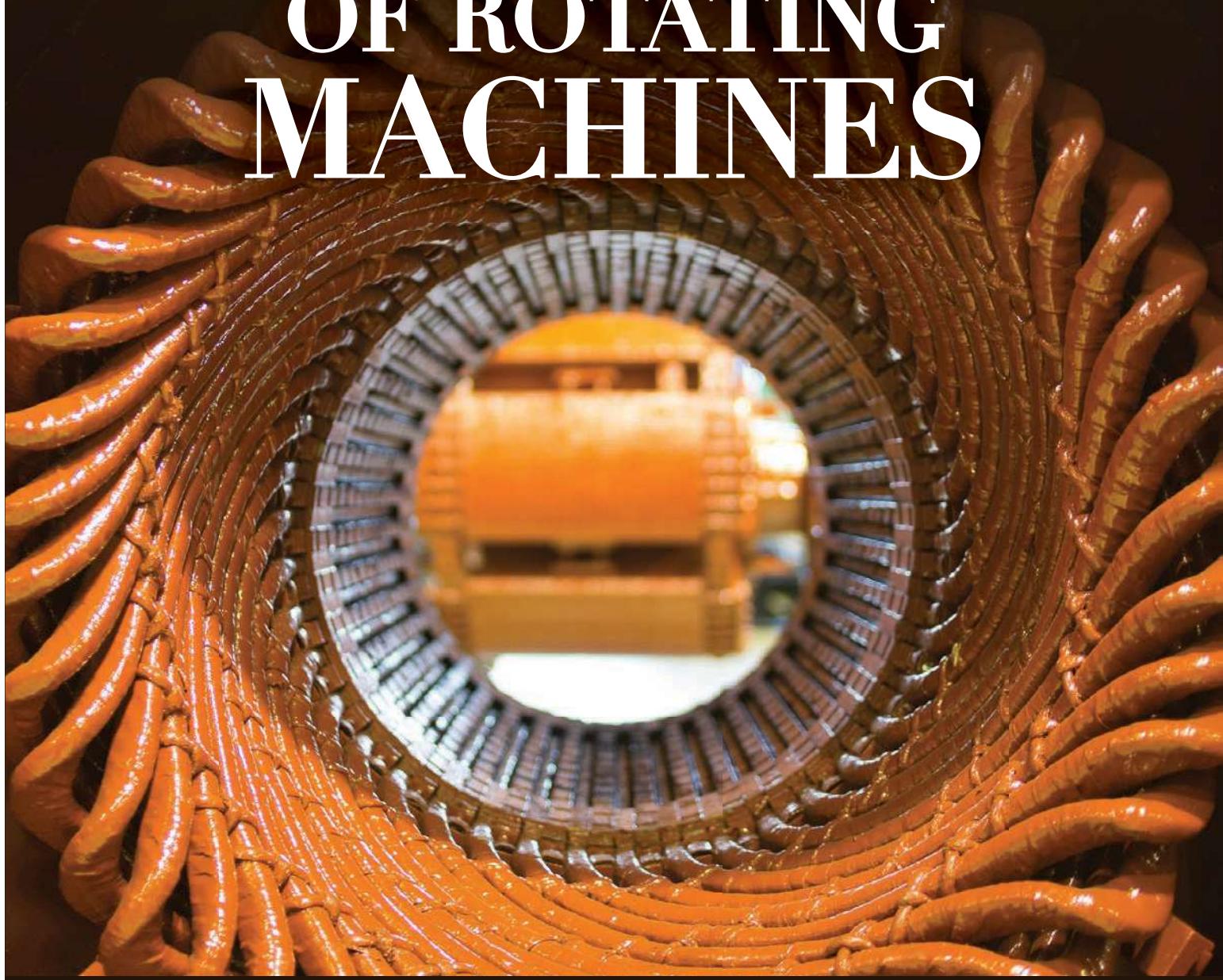
the leading electrical & electronics monthly

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THE NEW GEN OF ROTATING MACHINES



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- **THINK TANK:** India Energy Storage Alliance
- **INSIGHTS:** Reimagining Motor Efficiency; Preventing Bearing Failure in VFD Operated Motors; Transformers – Electrifying Modern Buildings; Transformer 360 Diagnostics Solution



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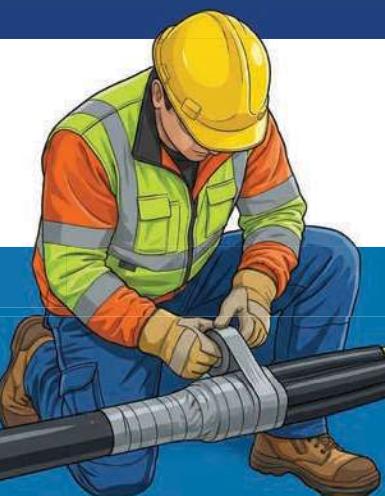
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The future of the electrical rotating machine industry will see an increased adoption of intelligent, connected, and application-specific machines, positioning India as a strong global manufacturing and export hub for efficient motors and generators. What was once a 'supporting' industry for power and manufacturing is evolving into a strategic enabler of electrification and sustainability, as this story unfolds...

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Shri Manohar Lal, Union Minister of Power, Housing & Urban Affairs, recently inaugurated commercial operations of Unit-2 (250 MW) of the 2,000-MW (8 x 250 MW) Subansiri Lower HEP, touted as the country's largest hydropower project.

MoP Launches Centre of Excellence for Regulatory Affairs in the Power Sector	51
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The Centre of Excellence, located at IIT Delhi, is expected to play a key role in supporting informed and forward-looking regulation.

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The MoEIT has approved an additional 22 proposals under the Electronics Components Manufacturing Scheme with projected investments of Rs41,863 crore and projected production of Rs258,152 crore.

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India added a record 44.5 GW renewable energy capacity in 2025 (up to November 2025), nearly doubling annual additions.

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- Bindu Madhavi, Director-Policy & Regulatory, India Energy Storage Alliance

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The year 2025 marked a landmark period for India's power sector, with historic advancements in energy generation, T&D, reaffirming India's position on the path to becoming a global energy leader.

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Electrical systems remain the foundation of every building. With increasing thrust on reliability, safety, sustainability and efficiency, the building of the future will not just consume electricity, but produce, store and share it. More in this feature...

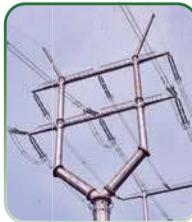
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Reimagining Motor Efficiency: From a Machine to an Enabler of Energy Transition 42

Every unit of electricity saved through improved motor efficiency directly lowers coal consumption, reduces stress on the power grid, and delivers immediate and measurable carbon emission reductions, writes **Mayur Karmarkar, MD and Mohit Gupta, Project Manager, International Copper Association India.**

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Bhadresh Shivashankar, Associate Vice President & Head-MEP, Sattva Developers, writes on smart technologies in the electrical space that can enhance the built environment.

Transformer 360 Diagnostics Solution: From Field Testing, Online Transformer Monitoring, Advance Analytics and Digital Asset Management 63

This paper by **Rupesh Kumar, Nimesh Gurjar and Rahul Mane of The Motwane Manufacturing Company** presents a comprehensive approach of transformer health monitoring combining offline and online maintenance data.

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- India, Germany review cooperation under Green and Sustainable Development Partnership.
- India, New Zealand conclude landmark FTA negotiations.
- Power Minister Shri Manohar Lal reviews power projects in J&K.
- Draft National Electricity Policy (NEP), 2026 released.
- India's power transmission network crosses 5 lakh ckm.

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- MoP amends RoW compensation guidelines for transmission projects.
- Revised guidelines for type tests and MQAP for major equipment of power sector issued.
- Invitation of comments on draft Technology Catalogue.
- POWERGRID subsidiary commissions Bhadla-Sikar transmission project.

- SJVN commissions 70 MW Dhubri solar power project in Assam.
- India's first 315 MVA synthetic ester oil-filled transformer commissioned.

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- Laos, Thailand, Malaysia partner to advance LTMS-PIP Phase-II crossborder power trading framework.
- Standard Chartered issues €1 billion green bonds.

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- Adani Power to raise up to Rs75 billion through NCD issuance.
- Waaree Energy Storage Solutions raises Rs10.03 billion for 20 GWh lithium-ion cell manufacturing.
- ReNew plans to USD 500 million offshore bond via GIFT City.
- Hinduja Renewables to invest USD 4 billion to scale RE capacity to 10 GW.
- L&T gets civil works contract for 3,000 MW Saidongar-1 PSP in Maharashtra.
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