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From the President's Desk

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Face to Face

IEEMA Journal spoke to **Mr Prakash Chandraker**, VP & MD, Schneider

Electric India about the efforts made by his team for delivering such world class digital service which a smart city promises. Excerpts from the interview



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Cover Story

Electrical industry records highest growth of 12.8% in seven years

- After a lull of almost seven years, the Indian Electrical equipment industry has once again gained momentum by clocking an impressive growth of 12.8% in FY 17-18
- Quarter 3 and Quarter 4 saw impressive growth of 25% and 14% respectively
- High growth in segments like rotating machines (12%), HT Motors (18%), cables (20%) and Meters (28%)



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Interaction



Indian power transformer industry after 5 years of struggle is finally looking up for good

times: Mr Aaditya Dhoot

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Interaction

The demand of Distribution Transformers is expected to grow at 5% - 10% per annum in next five years: Mr Alok Agarwal



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Event

IEEMA creates cell to monitor household electrification in North East

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Expert speak

Transformers Humming Noise - causes & reduction Techniques



Causes & Reduction Techniques

Transformers noise and vibration reduction techniques with the growing consciousness on the unkind effects of noise pollution, many users are specifying lower noise levels for transformers. Noise level is very important operational characteristic of Transformer.



Solution

Fire retardant and environment friendly mobile transformer



Mobile substations unit (MSU) are fully equipped electrical substations mounted on semitrailers. The most important advantages of these units are their rapid integration into the network and the ability to reuse them in different places.



Insight

Some Critical Studies on Advancement of Smart Grid Technology



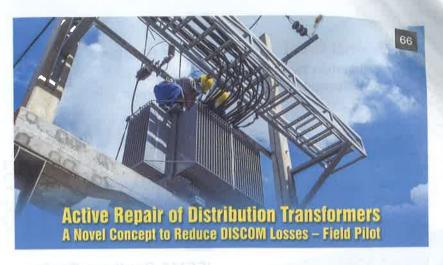
The electric power system is undergoing a profound change driven by a number of needs, including environmental compliance and energy conservation. Grid reliability, operational efficiencies and customer service become important with aging infrastructure.



Infocus

Worldwide market surveillance testing avenues for power transformer energy performance

This paper reports the results of the research carried out by Power transformer Task 2.1 "Worldwide and EU Technical standard and legislative framework into the WP2 - Landscape of testing avenues" of the INTAS project





In Depth

Active repair of Distribution Transformer – A novel concept to reduce DISCOM losses – Field Pilot

The high monetary value of a transformer has placed the transformer life-time optimization into the focus of asset management. Distribution Transformers (DTs) are key assets for any distribution network. Their reliable and efficient operations is important for strong economic standing of the DISCOMs. Many DISCOMs follow DT energy audit, but that focuses on AT&C losses external to the DT.



Guest Article

Earthing Electrodes for LV/HV & Transformer/DG applications better installation practices

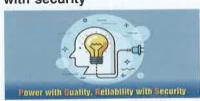


Earthing System is essential for any electrical installation to avoid dangers associated with fault currents and lightning strikes. A properly designed common earthing system is used for both electrical system and lightning protection system.



Opinion

Power with Quality, Reliability with security



Any country, if grouped under the phase of DEVELOPING COUNTRY then its growth in each sector has to embrace the concept of innovation and emerging technology. India, our country is now in the phase of transition and already has set its road map in the field of energy sector.

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International Event

IEEMA Delegation to Asean Power Grid Summit (APGS 2018)

SEAN Power Grid Summit 2018 with the theme "Enhancing ASEAN Power Grid Investment towards Optimisation" Regional Energy was held from May 21-23, 2018 in Vientianne.

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Expert Speak

Transformer Asset Health Indices: What You Need to

There is much talk in the industry about 'asset health indices' and th-eir use. This paper sets out some of the basics and shows where clarity is needed to avoid error.

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Thoughts

Adverse Impact of Long **Warranty Periods**

network of Distribution Companies has been expanding in line with the Government policies, and along with the aspirations of the people of our Country. In 2002, the then Central Government announced an ambitious scheme of ELECTRICITY FOR ALL

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Mr. Vikram Gandolra Mr. Mustafa Wajid Mr. Purnendu Chaubey Mr. Mithul Thakkar

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Advertisements

Incharge Mr Gautam Sakhalkar

Circulation Incharge Ms Chitra Tamhankar

Statistics & Data Incharge Mr Ninad Ranade

Designed by: Reflections Processed at: India Printing Works

Regd Office - Mumbai

501, Kakad Chambers, 132, Dr A Besant Road. Worli, Mumbai 400 018,

Phones: +91(0) 22 24930532 / 6528 Fax: +91(0) 22 2493 2705

Email: gautam sakhalkar@ieema.org

Corporate Office - New Delhi Rishyamook Building, First floor, 85 A, Panchkuian Road, New Delhi 110001.Phones: +91 (0) 11-23363013, 14, 16 Fax: +91 (0) 11-23363015

Email: delhi@ieema.org Branch Office - Bengaluru

204, Swiss Complex, 33, Race Course Road, Benga-Jury 560 001

Phones: +91 (0) 80 2220 1316 / 1318 Fax: +91 (0) 80 220 1317 Email: bangalore@ieema.org

Branch Office - Kolkata

503 A, Oswal Chambers, 2, Church Lane, Kolkata 700 001 Phones: +91 (0) 33 2213 1326 Fax: +91 (0) 33 2213 1326 Email: kolkata@ieema.org

Website: www.ieema.in

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Representatives:

Guwahati (Assam) - Nilankha Chaliha Email: nilankha.chaliha@ieema.org Mobile: +91 9706389965

Lucknow (U.P. and Uttarakhand) -Aiui Kumar Chaturvedi Email: anuj chaturvedi@ieema org Mobile: +91 9839603195

Chandigarh (Punjab & Haryana) Bharti Bisht

Email: bharti.bisht@ieema.org Mobile: +91 9888208880

Jaipur (Rajasthan) Devesh Vyas Email: devesh vyas@ieema.org

Mobile: +91 8955093854 Bhubaneshwar (Odisha)

Smruti Ranjan Samantaray Email: smrutiranjan.samantaray@ieema.org Mobile: +91 9437189920

Hyderabad (Andhra Pradesh) Jesse A Inaparthi Email: jesse inaparthi@ieema.org Mobile: +91 9949235153

Srinagar (Jammu & Kashmir)

Mohammad Irfan Parray Email: irfan.parray@ieema.org Mobile: +91 9858455509

For subscription queries write to: chitra.tamhankar@ieema.org

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