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ieema journal

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6

From the President's Desk

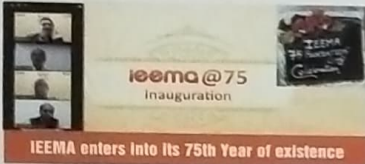
7

Samvaad

14

IEEMA@75

IEEMA enters into its 75th Year of existence

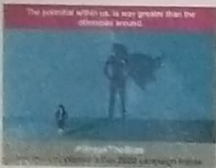


On 25th Feb 2022 IEEMA entered into its 75th year existence, the same was celebrated through grand celebration in terms of and inciting exchange of ideas and thoughts from eminent speakers and guest and honour of the occasion Mr Vivek K Dewangan, IAS, Additional Secretary, Ministry of Power and Mr Jeetendra Singh, Joint Secretary, Ministry of Heavy Industries.

16

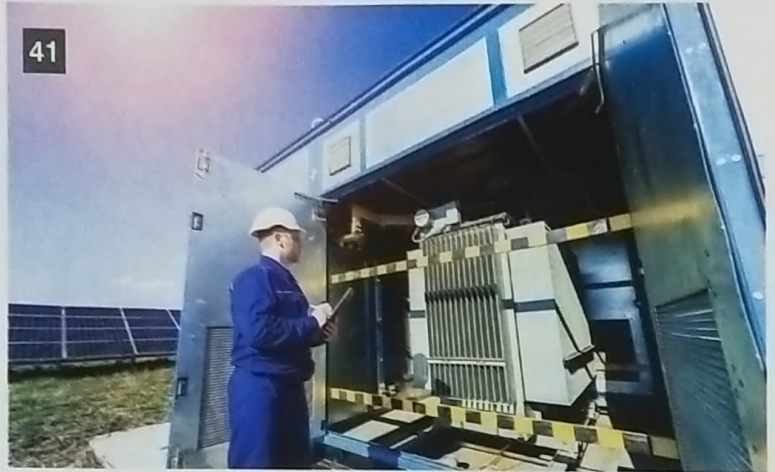
WIP Initiative

#BreakTheBias – International Women's Day 2022 campaign theme



The Women in Power Committee, IEEMA wishes you all a very Happy International Women's Day 2022!

41



Poised for growth and Transformation India's Transformer Industry

20

Cover Story

Poised for growth and Transformation – India's Transformer Industry

Transformers form the core of power systems across the world. As electrical grids become more complex with renewable energy integration.

30

Budget Analysis

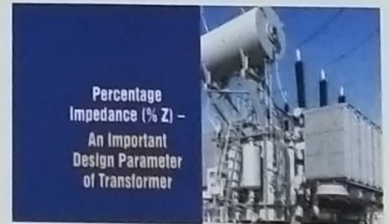
Budget 2022 focusses on enabling Energy Transition through Provisions for Boosting Domestic Industry - IEEMA

Indian Electrical and Electronics Manufacturers Association (IEEMA) welcomed the Union Budget announced by the Hon'ble Union Finance Minister Smt Nirmala Sitharaman and termed it as progressive and growth oriented.

36

In depth

Percentage Impedance (% Z) – An Important Design Parameter of Transformer



The transformer, being a key element in the transmission and distribution of electrical energy, understanding its specified parameters is of utmost importance for power engineers. The most important design parameter of the transformer is the percentage impedance % Z (Leakage Impedance).

For suggestions and feedback please write to us on shalini.singh@ieema.org

46

In Focus

True "HOT SPOT" temperature of Transformers: A diagnostic tool in conjunction with DGA-A case-study thereof.

"HOT SPOT Temperature" is the maximum temperature occurring in any part of the winding insulation system.

60

Guest Article

Challenges in terminal arrangements of multiple winding inverter duty transformers for solar PV plants

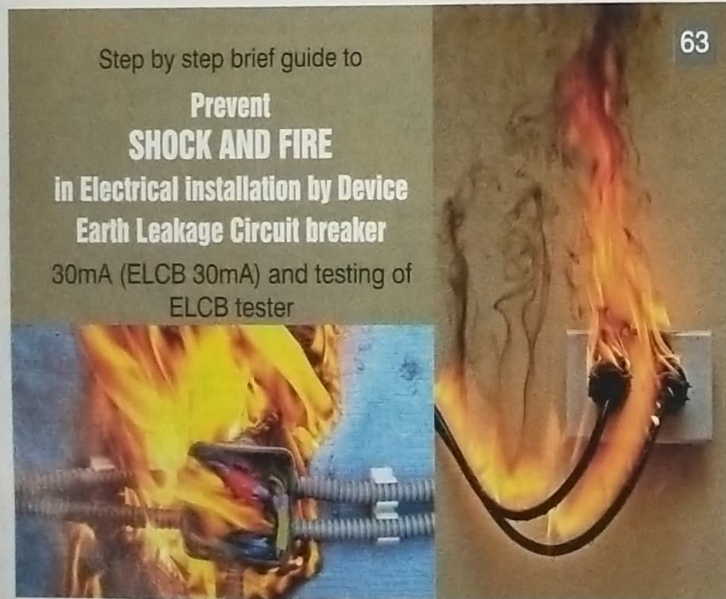


As per basic principle of a Solar power plant, the source energy is converted to DC supply by using photovoltaic (PV) cells. Inverters are used to convert the generated DC to AC which onward is connected to the power grid by stepping it up popularly known, solar inverter duty transformer.

Step by step brief guide to

Prevent SHOCK AND FIRE

in Electrical installation by Device Earth Leakage Circuit breaker 30mA (ELCB 30mA) and testing of ELCB tester



46

InFocus

True "HOT SPOT" temperature of Transformers :

A diagnostic tool in conjunction with DGA-A case-study thereof



63

Expert speak

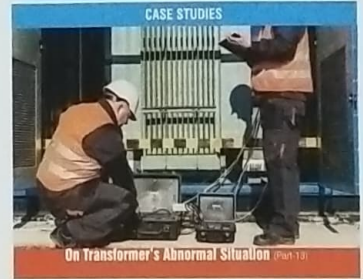
Step by step brief guide to Prevent SHOCK AND FIRE in Electrical installation by Device Earth Leakage Circuit breaker 30mA (ELCB 30mA) and testing of ELCB tester

1. Indian Standards for electrical installation are as per IEC standards.

The electrical installation must be done as per Indian Standards or regulations otherwise shock and fire International Electrical Commission (IEC) standards: based in Geneva, Switzerland. Indian Electrical Standards are as per IEC standards. They develop electrical standards and are followed in the world.

69

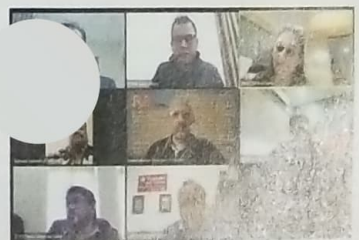
Events and eventualities Case Studies on Transformer's Abnormal Situation (Part-13)



LAST FEW MONTHS the CASE STUDIES on TRANSFORMER'S Abnormal situation is getting published under the section of EVENT and EVENTUAL series. Readers especially from field units are accepting this series because of its presentation approach is based on the actual situations, observations, action taken on the subject with recommendations for the future reference.

76

IEEMA Activities



81

ERDA

83

Advertiser's Index

84

International News

- Solar Developer Has Plan to Turn Oil Wells Into Energy Storage
- Siemens Gamesa Will Supply Turbines for Polish Offshore Wind Farms
- Prayagraj Power Generation Company inks MoU with ZaaK Technologies for Upcycling Ash to Sustainable Sand Material

86

National News

- Kerala Government collaborates with Social Alpha for developing StartupEcosystem in the area of Clean Energy and Climate Action
- PFC bestowed with the prestigious "ICAI Award for Excellence in Financial Reporting"
- Mitsubishi Power builds hydrogen park to test next-gen technologies

88

Corporate News

- ERDA receives prestigious contract from IntelliSmart (Govt. of India) for evaluation of Smart Meters in India
- HOP Electric Mobility expands footprint to 54 cities in India; inaugurates Ten new Experience Centres
- Godrej & Boyce wins INR

550+ crore orders in Domestic T&D Market for their Power Transmission business

- Ind-Ra maintains 'neutral' outlook for power sector

90

Power Scenario

Global Scenario
Indian Scenario

92

IEEMA Database

Basic Prices & Indices
Production Statistics

84

Power Sector Updates

Ministry of Power notifies
Green Hydrogen/ Green
Ammonia Policy



A Major Policy Enabler by Government for production of Green Hydrogen/ Green Ammonia using Renewable sources of energy

- Government of India sets policy for Electric Vehicle charging stations
- Applications invited for financial support to Indian companies with indigenous technologies in semiconductor & sensors sector for commercialization

98

Sparks Sans Shocks

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