Webinar
on

"Condition Monitoring of Power Transformer: Evaluation of Liquid and Solid Insulation condition Using National/International Standards"

23rd February 2024, Time: 14.00 to 17.30

Organized by:

केन्द्रीय विद्युत अनुसंधान संस्थान
CENTRAL POWER RESEARCH INSTITUTE
बेंगलूर
BANGALORE
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Central Power Research Institute
Regional Testing Laboratory
Noida – 201309, India

PROFILE

Central Power Research Institute (CPRI) set up in 1960 by the Government of India, functions as a National organization for applied research in power sector and also serves as an independent laboratory for testing and certification of power equipment. CPRI is a member in many bodies governing certification. CPRI also provides consultancy services on various facets of power sector. Modern equipment is available in CPRI laboratories for power system modeling, seismic qualification, short circuit testing, equipment diagnostics materials engineering, and other applications. In addition to having vast field experience, CPRI's officials are knowledgeable in a variety of topics related to the power industry and have real-world expertise in their fields of study.

CPRI continues to define new benchmarks for electrical testing standardization, training and continuing education, including everything from fundamental theoretical knowledge to in-depth, hands-on instruction in electrical equipment. CPRI training programs have enhanced many electrical personnel's career paths by improving technical workers' occupational skills. They have also helped to increase electricity efficiency, plant productivity electrical system reliability, and the overall competitiveness of the Indian industry.

RTL Noida Profile

Regional Testing Laboratory Noida (RTLN) is providing services in testing Consultancy and Certification of Energy meters, Cables Insulators (Solid and Liquid), isolators, bus ducts etc., as per National/International standards for about three decades. RTLN comprises of five Laboratories viz., Energy Meter, High Voltage, Cable and Liquid Dielectric Laboratory. All the laboratories are duly accredited by NABL as per ISO/IEC: 17025:2017 standard. Recently LED Laboratoryestablished with NABL Accreditation. Liquiddielectric laboratory (LDL) provides the services for testing of Transformer oil (In Service and New) as per IS: 1866:2017/IEC 60422:2013, IS: 335:2018/IEC: 60296:2003 with NABL Accreditation andtake up consultancy works and field testing. Established Newtest facilityfor Furan, PCB analysis and DBDS content as per international standards with NABL Accreditation.

TRAINING PROGRAMME

Insulating fluids are a vital part of the electrical insulation system in many types of electrical power equipment including transformers bushings, cables and capacitors. Each application requires an insulating fluid with specified electrical, chemical and physical characteristics. The importance of different insulating fluids in the field of dielectrics is highlighted. Applications and perspectives ofinsulating fluids will be addressed. Insulating fluids are responsible for functional serviceability of the dielectric (Insulation) system the condition of which can be a decisive factor in determining the life span of the electrical equipment.

PROGRAM OBJECTIVE

The objective of the training is to disseminate the testing knowledge experience and concerns on the topics related to insulating fluids, standards for testing and up gradation on test standards and diagnostics and elaborate various test methods as per latest standards.This training also provides a forum for open discussions and exchange of information on the latest state of art technology to come out with the positive and concrete recommendations on the topics mentioned above. It is necessary and important for the professionals and engineers to upgrade the latest knowledge and innovations so as to keep the pace with the advancement taking place in the area of insulating fluids for electrical equipment. The programme also high lights on importance of monitoring of transformers by periodical analysisof transformer oil, (IS 1866, IEC 60422, IS 335, IEC 60296) and test methods for both service and New oil including DGA.

WHO CAN ATTEND

Scientists and Engineers working in electrical industries, Researchers from R&D /Academic Institutions, Engineers from power sectorincluding State Electricity Boards, officials from State Pollution control Boards. Transformer and transformer oil manufactures, Practicing Engineers in thermal and Hydro Power Stations are invited to participate in the programme.

REGISTRATION FEE

Registration form along with IFAS formatshall completein all respect and sent to program coordinators along with the registration fee paid via the following link on or before 20.02.2024. (CPRI, Noida GST No: 09AAAAC0268P1ZH). Please fill the payment details in the attached IFAS form and submit.

Note : No other mode of paymentis acceptable. Acceptance or rejection of any delegate is at the sole discretion of CPRI.

Venue & Date :
In Virtual mode from RTL Noida,
Date:23rdFebruary, 2024,
Friday (Time: 2:00 to 5.30 PM)

Registration Fee Details

Organization Type	Registration Fee	Discount Price
Private organizations	Rs 1000 + 18% GST	Rs 1000 + 18% GST for up to 5 participants. Rs 750 + 18% GST for 6 participants up to 10 participants.
Utilities/Electricity Boards Government Organizations	Rs 750 +18 % GST	Rs 750 + 18% GST for up to 5 participants. Rs 650 + 18% GST for 6 participants up to 10 participants.
Faculty of Educational Institutions	Rs 500 + 18% GST	No Discount
Students of Educational Institutions	Rs 500 + 18% GST	No Discount

For more Information, please contact the program coordinator:

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