



Capsule Course

on

Repair and Maintenance of Transformers

21 November 2025 at NITS, Noida



BUREAU OF INDIAN STANDARDS
National Institute of Training for
Standardization (NITS), A 20 & 21, Institutional Area,
Sector 62, NOIDA - 201309

Bureau of Indian Standards (BIS) being the National Standards Body of the country discharges multitude of functions and services for enhancing the quality ecosystem in the Country. The activities of BIS include standards formulation at national and international level, conformity assessment schemes (Product Certification, Systems Certification, Registration and Hallmarking) testing and training. All these activities are carried out through their network of headquarters, regional and branch office and labs spread throughout the country.

Development of technical expertise of the producers and processors involved in various field of activities involved in the supply chain of products, works and services is crucial for adoption of best practices in the sector. Non-compliance to the best practices affects work or service, compromises on the health, safety and environmental impact of the process.

BIS has formulated National Standards on codes of practices almost in every field; be it Civil, Electronic, Information Technology, Food & Agriculture, Mechanical, Chemical, Petroleum, Coal & related products. It plays a vital role in promoting goods and service management through various standards that focus on general Requirements.

These standards provide the guidelines and specifications for the deliverables to society and enhance the resilience and safety of goods and services offered to the community.

The Capsule Course on **Repair and Maintenance of Transformers** is designed to provide comprehensive information on maintenance of distribution & power transformers, focusing on aspects related to their repair.

The purpose of this course is to apprise the stakeholders about the Indian Standards related to Repair and Maintenance of Transformers and to specify the guidelines to be followed by the repairers for repair of liquid immersed (both mineral oil and ester liquid) as well as dry type distribution transformers covered under the scope of IS 1180 series.

It also covers the detailed guidance on maintenance procedures, maintenance schedules and troubleshooting techniques. The course intends to help stakeholders to ensure reliability, efficiency, safety and longevity of transformers while also minimizing downtime and cost.

A One-day Capsule Course is being organized by BIS at NITS, Noida to sensitize the stakeholders about these Standards and its implementation. These Capsule Courses will help to bridge the competence gap in the skills of such personnel and make them skilled enough to achieve quality as per prescribed standards and contribute to the national capacity building leading to enhanced Quality Ecosystem in the country.

Learning Objectives

- To understand the importance of standards and guidelines associated.
- Making participants skilled enough to be achieving quality as per prescribed standard.
- IS 18284, IS10028
- Selection, Installation and Maintenance of Transformers.
- Causes of breakdown of transformers, factors affecting life of transformers.
- Repair activities, repairing of core coil assembly, repairing of liquid filled and dry type transformers.
- Painting and distribution

Training Methodology

- Classroom based with combination of lectures, presentations, videos, case studies and interactive workshops.

Fees

- **The course fee is Rs. 1000/- + 18% GST per participant.**
- Participant has to arrange transport and accommodation on their own.
- Accommodation and transportation charges has to be borne by the participant.
- Hostel accommodation single/ Double occupancy is available on payment basis.

Who should attend?

- All stakeholders involved in R&D, Quality Control, Quality Assurance and General Management of Transformers.

Criteria for Selection

- Selection on First come First serve basis

Certification

- Certificate will be provided to all participants on completion of course

Venue

- The course will be held at NITS, Noida.
- Address: - National Institute of Training for Standardization, A - 20 & 21, Institutional Area, Sector-62, Noida - 201309

How to Apply?

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| • VISIT the e-BIS Website: www.manakonline.in |
| • CLICK on the "Training" Head |
| • LOGIN by clicking on the blue "LOGIN" button on the top right corner |
| • SIGNUP by clicking on "SIGNUP" on the Member Login Page if you are not a member otherwise "SIGN IN" using your credentials |
| • FILL OUT all the fields and click on "REGISTER" and complete the registration process. |
| • CHOOSE the course you want to apply for, fill in the required information. |
| • CHOOSE the course you want to apply for, fill in the required information and "PAY" there requisite fee. |

Contact

For any further queries, you may contact:

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