

Centre For Industrial Solutions and Advanced Training

AN ISO 9001:2015 CERTIFIED

(Technical- Electrical/Mechanical/Automation/Chemical, Behavioral & Soft Skill, Safety, Business Excellence, Safety & Energy Audit)
"A complete Training Solution Under One roof"

Two Days Training Programme on

"Operation, Maintenance, Protection and CBM of Power Transformer"

30-31 Aug 2019 at Kolkata

Ol	bje	ct	tiv	e:

To understand the various parts and critical elements of Power Transformer.
To understand the operation and application of Power Transformer.
To understand the maintenance, troubleshooting & Protection of Transformer
To understand do's & don'ts of Power Transformer
Everything about transformer

Day	Topic	Subtopic		
Day 1	SR	Contents		
		Principle of Working and Operation		
	1.1	Power/Distribution Transformer Construction & purpose details		
	1.2	Function of all parts of Power Transformer		
	1.3	Measuring Devices; Vector groups & Connections (Star & Delta)		
	1.4	2/3 winding Transformer; Name Plate reading & connections		
		Operations (Do`s and Don`ts)		
	2.1	% Impedance; Efficiency; Losses; Regulation		
	2.2	Transformer Testing: Oil; Silica; Winding; Heating; Cooling etc.		
	2.3	Transformer Installation, commissioning: Do`s and Don`ts		
	2.4	Parallel operation & Load sharing, Tap Changer		
		Maintenance (Fault Detection & maint. Practices)		
	3.1	Various Fault Detection & regular testing of Transformer		
	3.2	Maintenance, Data keeping,		
	3.3	IR, PI, Dielectric absorption, High Pot, Tan delta, DC winding		
	3.4	resistance, s/c , TTR, Magnetic Balance Tests.		
	3.5	Harmonics; Voltage Fluctuation control and Effects		
Day 2		Faults & Protection		
Day 2	4.1	Scheduled and unscheduled Maintenance of Transformer.		

Web: www.cisat.co.in; Email: vikas@cisat.co.in; Contact: +91- 7709012815 (Branches: Thane/Pune/Nagpur/Bhilai/Vapi/Wardha)

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4.2	Faults in Transformer; Faults while making Connections
4.3	Protection of Transformer & Relay Setting
4.4	Protection of Transformer: Over Load, Over current, S/C,
4.5	Earthing failure, Differential Protection, REF, BR CB & relays.
	Failure Analysis
5.1	Failure Analysis: FMEA and other
5.2	Thermography; Conditioning Monitoring & Life improvement techniques
5.3	NDT; RLA; Many case studies.
5.4	Post Test, Assessment and Feedback
5.5	Certification

Outcome of Program: One should be able to know about Operation, Maintenance, Protection and condition monitoring of transformer. Best Maintenance Practices.

Target Group: JE/SE/GET/Executive/AM

Certification: Every successful particiapant will be awarded a course completion certificate.

Delivery Methodology (Strategy):

- Introduction and Objective Setting
- Pre and Post Test,
- · Knowledge Presentations,
- Assignments & Exercise,
- Case Studies, Discussion and Interaction
- Feedback and Assessment
- Delivery 9:30 AM to 17:30 PM

Registration:

Dates of the program: 30-31 Aug 2019@Kolkata, WB.

Participation fees: INR 22500/- per delegate (Excluding GST@18%; Training program includes training material hard copies, Tea, Lunch & snack, excluding lodging and Boarding)

Payment: ECS/NEFT/DD in favor of "Centre for Industrial Solutions and Advanced Training" Payable at Nagpur, Maharashtra, India. Account No: 0509102000003353

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Bank: IDBI, Wardha- 442001, MS, India; IFSC Code: IBKL0000509; Swift Code

IBKLINBB007; MICR Code 442259001. (GST Code:27ABBPW5589J1ZV; SAC Code 99-

9293; State Code 27; PAN No: ABBPW5589J)

Venue: The Lindsay, Lindsay Street, New Market, Kolkata, WB.

For Registration please do contact to,

We prefer on line Registration through our web www.cisat.co.in.

Vikas +91-8669546332; 7709012815; vikas@cisat.co.in; cisat.nagpur@gmail.com; or rupali@cisat.co.in.

Contact for any In-house Training Program at your plant or location.

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