



Centre for Industrial Solution and Advanced Training

## **"3 DAYS TRAINING PROGRAM ON TESTING OF ELECTRICAL EQUIPMENT'S WITH HANDS ON: O&M, TESTING, PROTECTION CONCEPTS AND ADVANCED CBM TECHNIQUES" DURING 7-9 JULY 2025, AT NAGPUR.**

**7-9 July 25, at Nagpur**





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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"

Dear Sir/Madam,

Greetings from CISAT! An ISO 9001:2015 certified Global HR/Training Service Provider Company.

## Proposal/Invitation for Participation in:

**"3 Days Training Program on Testing of Electrical Equipment's with Hands ON: O&M, Testing, Protection concepts and Advanced CBM techniques" during 7-9 July 2025, at Nagpur.**

**Objective:** Complete practical approach on fault finding during maintenance and with many case studies and hands on various tests as mentioned.

More details are mentioned herewith or can ask by reply to this email or [vikas@cisat.co.in](mailto:vikas@cisat.co.in); call Vikas on 7709012815 or [cisat.nagpur@gmail.com](mailto:cisat.nagpur@gmail.com). **Contact for any Inhouse training**

### Who can attend:

Electrical Engineer / Manager / Supervisor, Application Engineer, Condition Monitoring Engineer, Design Engineer, Maintenance Engineer/ One interested to know all in and out.

### Practical Hands ON:

1. Testing of Transformer
2. Relay Test including Numerical Relay
3. Application of 5000V Meggar/ Earth Test
4. Tan Delta Test
5. CT/PT Testing
6. SFRA Test
7. CB Test explanation
8. Visual Demonstration of Power Transformer/ CB/ CT/PT/ LA/Relay etc.
9. DFRA TEST CAN BE INCLUDED,
10. Significance of DGA TRANSFORMER ( Duval Triangle)
11. Electrical Motor Testing
12. Cable Testing (Hi Pot, Fault Finding, Fault location tracing) (Optional as per requirement)
13. High Voltage Test (Optional as time permits)
14. Visit to substation (Optional as available only if time permits)

**Prerequisite:** Basic knowledge of Electrical Equipment's and experience in maintenance.

**Venue:** Nagpur, Maharashtra, India

**Dates:** 7-9 July 2025, at Nagpur, MH.

**Experts:** Shri Sardey Sir and Shri Kashikar Sir (30+ Years practical experience in Industry)

### Contents of Training:

Following mentioned contents are to be covered during the 3 days training, but based on the Time availability and participants interest some topics may not be covered. More focus shall be on for practical discussion in Industry and answer the query.

One full Day or One and Half day shall be devoted for Hands ON Training only.



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Other days to explain the theoretical part with Industrial applications.

Delivery Schedule: 3 Days Training Programme on (Testing of Electrical Equipments)				
Sr No	Day	Topic	Subtopic	Start Time
1	Day 1	Introduction, Objective Setting and Pre Test		10 AM
2		Review of Electrical Equipment's and Applications	Industry Applications	
3		Listing of Electrical Parameters: For faults and Testing	R, L, C, O/C, S/C, V, I, P, Hz, etc.	
4		Basic Electrical Testing's	Types and purpose	
5		Transformer: Details	Constructional Discussion	
5			Various types of Tests: Manufacturing, Factory	
		Lunch Time		
6			Introduction to various electrical faults	
7			Test before and After Maintenance for Transformer	
8			Online and Offline Test, Online testing for CBM	
9		Buchholz Importance	Transformer Faults	
		CT/PT	For Protection and Testing	
11	Day 2	Complete Practical Demonstration and Hands ON		10:30AM
12		Demonstration and explanation	Various Transformer Tests; Meggar Test	
13		Demonstration and explanation	CT PT Test	
14		Numerical Relay	Relay testing and Demonstration	
		Lunch Time		
15		CB Explanation	Testing of CB	
16	Day 3	S/S Visit and explanation		
21		Electrical Motor: Test	Motor Testing and Fault Finding	10 AM
22		Power Cable: Construction, Requirement	Acceptance & Commissioning Test; Insulation resistance test, Partial discharge Measurement;	
23			Polarization Index,	
		Lunch Time (13:00 to 13:45)		
24		Hands ON Schedule and explanation	Hands ON For Motor Testing	
25			IR Test, O/p Short Test;	
26			Fault Finding and Bearing issue	
		Valedictory		17:00



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## Registration:

Dates of the program: 7-9 July 2025, at Nagpur.

**Non-residential Participation fees:** INR 30000/- per delegate (Excluding GST@18%, Training program includes many Hands-On, Tea, Lunch & snack, excluding lodging and Boarding)

Minimum Participation: 8 to conduct the programme.

Venue: KEC Training Centre Butibori, Nagpur (22 KM From Nagpur airport- Wardha Road).

## **Payment:**

100% in advance ECS/NEFT/DD in Favor of "Centre for Industrial Solutions and Advanced Training" Payable at Nagpur, Maharashtra, India.

Bank: IDBI, Sadar, Nagpur, Maharashtra 440018, India; Account No: 0509 1020 0000 3353;

IFSC Code: IBKL0000648; MICR Code 440259006; GST Details 27ABBPW5589J1ZV.

Venue: Nagpur (Venue Location shall be confirmed on confirmation of Participation).

ECS/NEFT/DD in favor of "Centre for Industrial Solutions and Advanced Training". Account No: 9220 200 3610 6986

Bank: Axis Bank, Katol Road, Friends Colony, Nagpur-440013, MS, India; IFSC Code: UTIB0002911; MICR Code

440211015, GSTN: 27ABBPW5589J1ZV. PAN No: ABBPW5589J SAC Code 99-9293; State Code 27.

*For Registration, please do contact to,*

*We prefer on line Registration through our web [www.cisat.co.in](http://www.cisat.co.in).*

1. 00-91-7709012815; [vikas@cisat.co.in](mailto:vikas@cisat.co.in); [cisat.nagpur@gmail.com](mailto:cisat.nagpur@gmail.com);

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

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With Best Regards & Thanks,

Mrs. Rupali, Director - Business Development.

**Centre For Industrial Solution and Advanced Training**

Web: [www.cisat.co.in](http://www.cisat.co.in); Email: [cisat.nagpur@gmail.com](mailto:cisat.nagpur@gmail.com) ; Contact: +91- 7709012815