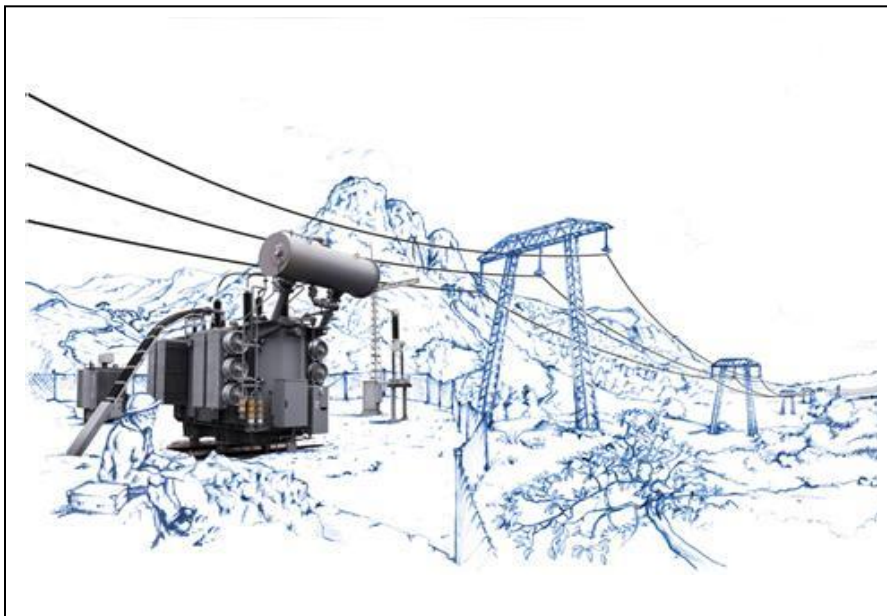


Centre for Industrial Solution and Advanced Training

**”3 DAYS TRAINING PROGRAM ON
TESTING OF ELECTRICAL
EQUIPMENT’S WITH HANDS ON:
O&M, TESTING, PROTECTION
CONCEPTS AND ADVANCED CBM
TECHNIQUES” DURING 14-16 Nov
24, AT NAGPUR.**

14-16 Nov 24, Nagpur at Nagpur





Centre For Industrial Solution 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”

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 14-16 Nov 24, 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; call Vikas on 7709012815 or 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: 14-16 Nov 2024, 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.



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		S/S Visit and explanation			
21	Day 3	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: 14-16 Nov 2024, at Nagpur.

Non-residential Participation fees: INR 30000/- per delegate (Excluding GST@18%, Training program includes Complete Hands-On Training Facility, 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).

For Registration, please do contact to,

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

1. 00-91-7709012815; vikas@cisat.co.in; cisat.nagpur@gmail.com;

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

With Best Regards & Thanks,

Mrs. Rupali, Director - Business Development.

Centre For Industrial Solution and Advanced Training

Web: www.cisat.co.in; Email: cisat.nagpur@gmail.com ; Contact: +91- 7709012815



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Training Calendar Oct 2024- March 2025 (Goa, Kolkata, Nagpur, Mumbai)					
www.cisat.co.in; cisat.nagpur@gmail.com; vikas@cisat.co.in; Vikas 7709012815,					
Sr No	Name of the Program	Duration in Days	Date1	Date 2	Fees/ head
Electrical Engineering/Automation/Process/C&I					
1	Electrical Advanced Power System Protection; Parameters, Relay Setting and Relay Coordination, Numerical Relay	3	11-13 Nov 24, Nagpur	4-6 Dec 2024, Kolkata	30000
2	Energy Saving techniques in Industrial Utilities: Power and Energy Management, Energy Auditing Techniques and exam guidance	3	20-22 Nov 24, Kolkata	18-20 Dec 24, Mumbai	27000
3	HV Electrical Safety in Hazardous Areas (Mining, O&G, Chemical), IE/CEA/OISD/NFPA and Applicable standards. Electrical Fire, Arc Flash and mitigation techniques, Safety Audits and Accident Investigation	2	18-19 Nov 24, Kolkata	6-7 Jan 25, Kolkata	22500
4	HIRA for Electrical, Arc Flash, Safety Auditing, International Standards (NFPA 70E, NESC, IEEE, IE), Factory Act and IE/CEA Applicable standards, Arc Flash and Mitigation techniques.	2	9-10 Dec 24, Kolkata	6-7 Feb 25, Kolkata	22500
5	Cable and Cable Jointing techniques; Complete Hands ON	2	17-18 Oct 24, Nagpur	Jan 2025, Nagpur	25000
6	Electrical Equipments Testing, O&M, and Condition Based Maintenance; HT/LT Switchgear: Operation, testing, Maintenance and Protection	3	14-16 Nov 24, Nagpur	2-4 Jan 25, Nagpur	30000
Mechanical/Production Engineering					
1	“World Best Maintenance strategies, Practices, Effective Predictive Preventive and condition based Maintenance Techniques”	3	27-29 Nov 24, Mumbai/Goa	8-10 Jan 25, Mumbai	34500
2	Workshop on Industrial Rotating Machineries in a Plant: Operation, Maintenance, CBM, Performance and Efficiency Improvement Pumps, Air Compressors, Bearings, Seals, Separator’s and Lubrication	3	23-25 Oct 24, Mumbai	8-10 Jan 25, Mumbai	30000
3	Pump and Air Compressor: Operation, Maintenance, Troubleshooting and PPMT; Efficiency Improvement Techniques	2	11-12 Nov Kolkata	20-21 Jan Kolkata	22500
4	Hydraulics & Pneumatics and Valve: Operation, Maintenance, Troubleshooting and PPMT, CBM	2	14-15 Nov Kolkata	23-24 Jan Kolkata	22500
5	"Advances in Lubrication and Lubricants"	2	21-22 Nov, Kolkata	30-31 Jan Kolkata	20000
6	Boiler: Failure Analysis, Performance and Optimization- Workshop	4			27000
7	Heat Exchanger Tube and Shell Type: Design, Operation, Maintenance & troubleshooting	2	18-19 Nov 24, Mumbai	29-30 Jan 25, Mumbai	20000
8	Bearing Maintenance Technology, Vibration Analysis Technology and Precision Shaft Alignment”	3	22-24, Nov Goa	1-3 Feb 2025, Mumbai	34500
Leadership and Advanced Maint Techniques, Asset management; BBLs; SDP					
1	Six Sigma, TQM/TPM training and implementation	2	11-12 Nov, Nagpur	9-10 Jan 25, Mumbai	20000
2	Leadership Development Workshop	2	22-24 Jan 25 Goa	26-28, Feb, 25 Goa	34500
3	Supervisory Development Training Programme.	2	21-22 Nov 24, Mumbai		20000
4	Design Thinking an Innovation Workshop	2	12-13 Dec 24, Mumbai	12-13 Feb 25, Mumbai	20000
Safety- Rigging; Behaviour and HR Training					
1	Rigging and Crane Safety, Material Handling Safety	2	November	December	20000
2	Behaviour Based Safety leadership Training Programme	2	October	November	15000
3	Training and Implementation of TQM, 5S and Time Management	2	October	November	20000
4	Industrial Process and Equipment Handling Safety	2	October	November	20000
www.cisat.co.in; cisat.nagpur@gmail.com; vikas@cisat.co.in; Vikas 7709012815.					