# **Centre For Industrial Solutions and Advanced Training**

AN ISO 9001:2015 CERTIFIED



**Centre for Industrial Solutions and Advanced Training** 

# 2 DAYS TRAINING PROGRAM ON HT/LT MOTOR: O&M, FAULTS AND PROTECTION, CONDITION MONITORING TECHNIQUES

26-27 Aug 2019, Kolkata





# 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"

## 2 Day's Training program on

# HT/LT Motor: O&M, Faults and Protection, Condition Monitoring Techniques

26-27 Aug 2019, at Kolkata

_							
0	h		~	ы	<b>\</b> /	$\boldsymbol{\wedge}$	۰
U	v	ᆫ	U	u	v	C	٠

☐ To understand the various parts and critical elements of Electrical Motor.	
☐ To understand the operation and Industrial application of Electrical Motor	ſ.
☐ To understand the maintenance, troubleshooting & Protection of Motor	
☐ To understand do's & don'ts related to; Rating & Failure analysis.	
☐ To understand selection, Sizing, Best maint practices	

SR	Contents		
	Basic Theory		
1.1	Basic Theory of Electrical Motor		
1.2	Various Laws and Mutual inductance theory		
1.3	Construction of Motor: Various parts		
1.4	Name Plate Rating; Symbol; Various Terms used in Motor		
	Operations		
2.1	Types of Motor: AC/DC		
2.2	Characteristics of motors, Speed control and Applications		
2.3	Installation, Testing & commissioning		
2.4	Load sharing: Concepts and Practical.		
	Maintenance		
3.1	Various Fault Detection: Scheduled and unscheduled Maintenance		
3.2	Maintenance, Data keeping,		
3.3	Testing of Electrical Motor		
3.4	Harmonics; Voltage Fluctuation control and Effects		
	Faults & Protection		
4.1	Various Faults and Troubleshooting, Protection of Motor		
4.2	MPCB		
4.3	Relay setting for Motor		
	Protection of Motor: Over Load, Over current, S/C, Earthing failure, Differential		
4.4	Protection,		
	Failure Analysis		
5.1	Introduction to Failure Analysis: Current Signature Analysis		
5.2	Thermography;		
5.3	NDT; RLA; Bearing Failure- Causes and Remedies		
5.4	Conditioning Monitoring Techniques		

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



## 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"

## **Registration Details:**

#### **Registration Details:**

Dates of the program: 26-27 Aug 2019 at Kolkata (2 Days- Monday and Tuesday).

Nonresidential Participation Fees: INR 22500/- per delegate (Excluding GST@18%; Training program

includes training material hard copies, Tea, Lunch & snack)

Payment: ECS/NEFT/DD in favor of "Centre for Industrial Solutions and Advanced

Training" Payable at Nagpur, Maharashtra, India. Account No: 0509102000003353 Bank: IDBI,

Wardha- 442001, MS, India; IFSC Code: IBKL0000509; MICR Code 442259001. (GST Code:

27ABBPW5589J1ZV; SAC Code 99-9293; State Code 27)

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

### For Registration,

- 1. We do prefer On Line Registration through our web <u>www.cisat.co.in</u>.
- 2. In other case do send nominations confirmation via email to Vikas 00-91-7709012815; <a href="mailto:vikas@cisat.co.in">vikas@cisat.co.in</a>; <a href="mailto:cisat.nagpur@gmail.com">cisat.nagpur@gmail.com</a>; <a href="mailto:rupali@cisat.co.in">rupali@cisat.co.in</a>; or you can do call Vikas +91-7709012815 or 8669546332

Looking forward further communication from you soon.

Centre For Industrial Solutions and Advanced Training

Mrs. Rupali, Director Business Development

Web: www.cisat.co.in; Email: rupali@cisat.co.in; cisat.nagpur@gmail.com;

"A Complete HR/Training Solution under One roof"

(Technical- Electrical/Mechanical/Automation/Chemical, Behavioral, Soft Skill, Safety, Out Bound training, business Excellence, Safety Audit, Energy Audit, Automation Solution)

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