



2 DAY COURSE ON DEVELOPMENT OF ENERGY SAVING MEASURES IN ELECTRIC MOTOR SYSTEM

REGISTERED WITH:



BY:

Ir. ASSOC. PROF. DR GOBBI RAMASAMY

Training Provider: 127273-K,
IEM TRAINING ACADEMY SDN BHD
HRD Corp Claimable:
Approved Duration: 30/01/2023 – 02/02/2024
HRD Corp Serial No: 10001270646

EVENT DATE(S):

16 & 17 MAY 2023

Please register at iemta@iem.org.my Website: <http://iemtasb.weebly.com>

SPEAKER PROFILE

R. Gobbi received the Bachelor degree in electrical engineering from University of Technology, Malaysia, and the Master degree in technology management from the National University of Malaysia, and the Ph.D. degree from Multimedia University, Malaysia. He has been associated with technical education for more than twenty years. He is a consultant providing solutions for many problems associated to electric motors and drives system for various industries. He has completed many energy auditing projects in industries. He has published more than 80 technical papers in international journals, conferences and magazines. Dr. Gobbi is a corporate member of the Institution of Engineers Malaysia, a professional engineer with practicing certificate registered to Board of Engineers, Malaysia, Electric Energy Manager Registered to Energy Commission, Malaysia, and a Senior Member of Institute of Electrical and Electronics Engineers, US.



SYNOPSIS

This program is developed to educate technicians, engineers and managers who deal with facility management and focusing on energy saving activities. Recently as ICPT charges has increased by 400% for industry user, electricity bill increased by at least 40% even with business as usual. Furthermore, the electricity tariff is in an uptrend to increase. Industry has to start working on reducing energy consumption to stay competitive in the market. This course is designed to give full information about what a facility management personnel should know when dealing with electric motor system like, pump, fan and others. Case studies on actual motor system are included and participants will be able to identify energy saving measures on those selected system.

MODULES

MODULE 1: UNDERSTANDING ENERGY AND TARIFF

Determining power and energy. Understanding Electricity Tariff and Maximum Demand, Diversity factor, Enhanced Time of Use (ETOU) scheme. About EMEER 2008 and requirements.

MODULE 2: INDUSTRY ELECTRIC MOTOR SYSTEM

Induction motor system. Working Principle, Speed and torque control. Electromechanical Starters (DOL, Star-delta and Auto-Trans), Variable Speed Drives, Soft Starter. High Efficiency Motor (HEM), Insulation Classes, Load Profile for Pump, Blowers and others.

MODULE 3: EVALUATION OF MOTOR SYSTEM

Checking through motor inventory list. Identifying potential motor system for energy saving projects. Testing Equipment to capture Energy Profile of Motor System. Developing energy apportioning chart for motor system. Identifying load factor of selected motor system.

MODULE 4: ENERGY SAVING MEASURES

Work on the details of selected motor system for potential savings options. Identifying the payback period and CO₂ emission equivalent. Prioritizing the energy saving measures. Identifying zero cost energy saving measures.

TENTATIVE PROGRAMME

DAY 1

Time	Activity	Topics
8.30 am	Registration	
9:00 am	Module 1	Understanding Energy And Tariff
10.30 am	Tea Break	
10.45 am	Module 2	Industry Electric Motor System
1:00 pm	Lunch Break	
2:00 pm	Module 3	Case Study 1
3.30 pm	Tea Break	
3:45 pm	Module 4	Case Study 2
5:00 pm	Session Ends	

DAY 2

Time	Activity	
8.30 am	Registration	
9:00 am	Module 3	Evaluation Of Motor System
10.30 am	Tea Break	
10.45 am	Module 4	Energy Saving Measures
1:00 pm	Lunch Break	
2:00 pm	Module 3	Case Study 3
3.30 pm	Tea Break	
3:45 pm	Module 4	Case Study 4
5:00 pm	Session Ends	

REGISTRATION DETAILS

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Event Dates:

Tick (v)	Type of Registration	Online Fees <small>*Rate stated include 6% SST</small>
	IEM/AER Member	RM 1,100.00
	Non-IEM/AER Member	RM 1,300.00
	Group of 3-5 persons	RM 900.00 <i>(price for 1 person)</i>

Event Dates:

Tick (v)	Event Dates
	16 & 17 May 2023

You may make payment via **ONLINE TRANSFER** (Please forward soft copy of payment advice):-

Account Name: **IEM TRAINING ACADEMY SDN BHD**
 Account Number: 514169143176
 Bank Name: Malayan Banking Berhad
 Bank Address: Jalan Sultan, 46200 Petaling Jaya, Selangor Darul Ehsan, Malaysia
 Swift Code: MBBEMYKL

Please register at iemta@iem.org.my Website: <http://iemtasb.weebly.com>



IEMTA

IEM Training Academy Sdn Bhd

REGISTRATION FORM

2 DAY COURSE ON DEVELOPMENT OF ENERGY SAVING MEASURES IN ELECTRIC MOTOR SYSTEM

Name(s)	M'ship No. & Grade	Discipline (Civil / Mech / etc.)	Email Address	Mobile Number	Fee (RM)*
Total:					

Contact Person:

Designation:

Name of Organisation:

Address:

Office:

H/Phone:

Email:

Please register at iemta@iem.org.my Website: <http://iemtasb.weebly.com>