

Registration

The course fee drawn by D.D in favour of Indian Institute of Energy Management, Chennai along with the nominations may be sent before 1st July 2015 to :

The Director
INDIAN INSTITUTE OF ENERGY MANAGEMENT
No.17,First Crescent Park Road,
Gandhi Nagar, Adyar, Chennai-600020
Phone: 044 24421542, Fax: 044 24421543
e-mail: energy@iiemindia.org

About IIEM

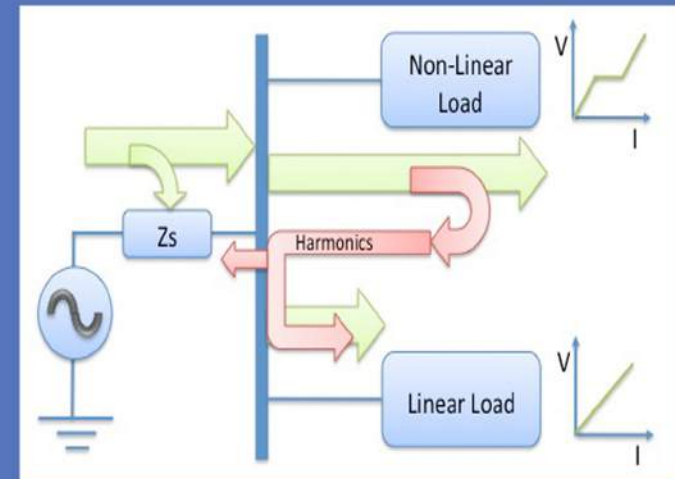
Indian Institute of Energy Management (IIEM), a not for profit organisation is a consortium of Professionals, Industry Experts and Academicians of Eminence. The main objective of IIEM is to provide services to industries in the fields of energy, environment, maintenance and safety. In addition to provide multiplier effect of the institute's objectives, regular training programmes are held to disseminate information and upgrade knowledge of industry personnel. The Institute also takes up in-house training and awareness programmes to benefit a larger cross section of industrial sector. This Harmonics programme is conducted by IIEM in association With APQI.

About APQI

Asia Power Quality Initiative (APQI), (www.apqi.org) a neutral platform is a joint effort of the International Copper Association (ICA) along with the Electrical and Electronics Institute, Thailand, the University of Bergamo (Italy), the European Copper Institute (ECI, Belgium), to create an independent platform that would build awareness and capacities on issues related to Power Quality.

One Day Programme on

How to reduce Harmonics and Avoid Penalty



4th JULY 2015

The Residency Towers,
Chennai



INDIAN INSTITUTE OF ENERGY MANAGEMENT
No.17,1st Crescent Park Road, Gandhi Nagar,
Adyar, Chennai-600020

INTRODUCTION

Harmonic pollution is an increasing problem which affects all power distribution networks in Industrial, Commercial, Telecom and Medical applications. Most of the Power electronic equipments or facilities can generate harmonics current. Harmonics pollution deteriorates the power effectiveness of an equipment or system. Harmonic study analysis becomes an important and necessary task for Industries because of the fact that electronically controlled equipments are widely and heavily used in most Industrial Plants.

When reactive power compensation is used with non-linear loads, resonance conditions can occur which may result in even higher levels of harmonic voltage and current distortion. Un-filtered harmonics can be the 'invisible killer' in the system, causing nuisance tripping, mysterious fuse blowing and overheating of cables and transformers, considerably shortening their service life. Besides, industries pay heavy penalty to utility companies towards higher level of harmonics

OBJECTIVE

At the end of the programme, participants will be able to :

- * Identify and device appropriate harmonic reduction methods
- * Provide right solution for Harmonics issue.

METHODOLOGY

- * Lectures
- * Discussions
- * Multimedia Tools
- * Case studies
- * Device Inspection

WHO SHOULD ATTEND

Maintenance Managers and Utility Engineers from various sectors of industries in South India.

COURSE CONTRIBUTION FEES

The fee for the course is Rs. 5,000 (Five Thousand Rupees only) per candidate which includes the cost of course materials.

PROGRAMME SCHEDULE

- * What is Harmonics
- * Source of Harmonics
- * Standards & Regulation of Harmonics
- * Measurement & Analysis of Harmonics
- * General Power Quality guidelines
- * Harmonic Rectification
- * Design of Harmonic Filters
- * Solution of Harmonic Filters
- * Testing & Commissioning of Harmonic Filters