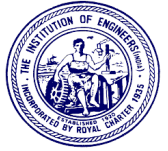




# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032, T.S, India



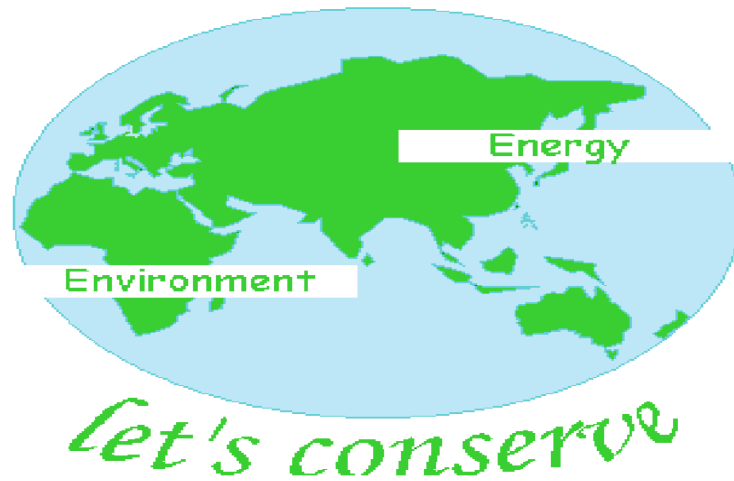
## Quality & Productivity Division

IRCA- UK Registered

**ISO 50001 : 2011**

**Energy Management System - Lead Auditor Training**

**20 – 24 February, 2017**



(An ISO 9001: 2008 Certified, AICTE & CEA Recognized Institution)

**Centre for Promotion of Professional Excellence**

## INTRODUCTION

Energy is an important element of the organization for its sustenance. The demand for energy is growing manifold and the energy sources are becoming scarce and costlier. Among the various strategies to be evolved for meeting energy demand, efficient use of energy and its conservation emerges out to be most viable strategy, apart from being environmental friendly. Therefore, the energy conserved is energy produced.

The *ISO 50001:2011 Energy Management System (EnMS) – Requirements with Guidance for use* is a new international standard that provides a framework to manage the energy supply and consumption in organizations. EnMS standard applies to all aspects of energy use and enables to help an organization take a systematic approach to achieving continual improvement of energy performance including efficiency and consumption. The standard is applicable to all types and sizes of organizations. It is designed to integrate with other management standards, especially ISO 14001 on environmental management and ISO 9001 on quality management.

The standard specifies requirements for measurement, documentation & reporting, and for equipment design and procurement processes. It does not prescribe specific performance criteria, though it does require participating companies to commit to continual energy performance improvements. Successful implementation depends on commitment from all levels and functions of the organization especially from top management as per the standard.

## OBJECTIVES

- Outline key concepts and approaches to an energy management system
- Interpret requirements of ISO 50001 from an implementation perspective
- Develop energy policies, processes, targets and measuring methods
- Develop a plan to implement an ISO 50001 EnMS
- Define and develop baseline energy performance indicators
- Identify relevant energy management legislation
- Identify the resources needed to implement ISO 50001
- Plan, conduct, report and follow-up on EnMS audit for overall improvement

## COVERAGE

- ISO 50001:2011 - Awareness, Structure and Key elements of the standard
- Energy Management policy
- Energy Management- Principle, Structure & Key elements of the standard
- Energy Management Planning :
  1. Identification of legal and other applicable requirements
  2. Energy Consumption Analysis and Energy Baseline
  3. Energy Efficiency Indicators
  4. Energy goals and objectives, energy management working plans
- Implementing Energy Management System
- Documentation Management
- Audit & Review- ISO 19011
- Training & Competence of Energy Managers
- EnMS Monitoring, Measurement & Analysis
- Case Study and Discussions

## COURSE PROVIDER

**Intertek** - An approved training organization for Lead Auditor Courses under CQI – IRCA - UK Certification Scheme.

## RECOGNITION

The course is recognized by the IRCA, CQI - UK (International Register of Certificated Auditors). The course meets the training requirements for individuals seeking registration as Auditor / Lead Auditor with IRCA.

As per IRCA regulations this program can accommodate maximum 20 participants, hence we request you to send your nominations early. Participation in this course is subject to confirmation of nomination by ESCI.

## METHODOLOGY

The program will be conducted in an interactive environment providing scope for discussions. Emphasis will be on a highly participative style of learning through Lectures & Group discussions.

## TARGET PARTICIPANTS

Engineers, Technocrats, Energy Auditors/Managers/Coordinators, Environmental Managers/Auditors, Facility Managers, Consultants, Corporate Social Responsibility Managers from any organization of any size or activities including those from Paper / Cement / Fertilizers / Pharmaceuticals industries, Steel Plants, Power Plants, Hotels / Resorts, Real Estate Builders / High rise buildings / Residential colonies, Shipyards, Defence establishments / repair yards responsible for planning for energy conservation will find this program useful.

## PROGRAMME VENUE, DATES & TIMINGS

**Venue:** Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500 032. Telangana State, India.

**Dates:** 20 – 24 February 2017 (5 Days)

**Timings:** On the first day Registration will commence at 0900 hrs. On all other days the programme timings will be from 0945 - 1715 hrs. with breaks in between for tea and lunch.

## COURSE DIRECTOR

**Shri D Sheshadri:** Head, Quality & Productivity Division, Engineering Staff College of India.

## FACULTY

Senior Experts in the subject areas will share the sessions.

## COURSE FEE

**Rs.32,000/- (Residential)** + 15% (Service Tax) per participant. Fee includes, course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training program.

## DISCOUNTS

- ❖ **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

**(All discounts are applicable only if fee is received at ESCI before the commencement of the program)**

**Service Tax as applicable** is to be paid extra over and above the training fee, as training is also under the purview of Service Tax. **Our Service Tax registration No AAATT3439QST008 (under Commercial Training or Coaching Services – clause 65 (105) (ZZC) of Finance Act – 1994) and PAN Card No. AAATT3439Q.**

## MODE OF PAYMENT

Program fee is to be paid in favour of “**IE(I) - Engineering Staff College of India**” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075.**

**While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and program title.**

## **REGISTRATION**

### **Online registration shall be available on ESCI website**

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax number of the participant along with the details of mode of payment of fee and addressed to:

**The Head**  
**Quality & Productivity Division**  
**Engineering Staff College of India**  
**Gachi Bowli, Hyderabad – 500 032**  
**Phone: 040 - 23000465 / 23000466; Ext. 4108, 4109, 4110, 4133**  
**Direct Phones: 040 – 66304109, 4110, 4108, 4133 Fax : 040 - 23000336**  
**Email: qp@escihyd.org Web site: www.escihyd.org**

## **CERTIFICATE**

**A certificate of participation will be awarded on conclusion of the program.**

## **GENERAL INFORMATION**

- ESCI encourages participants to present case studies / experience of their organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- For residential participants, ESCI provides complimentary accommodation and boarding one day before commencement (Check-in at 1200 hrs.) and one day after conclusion (Check-out at 1200 hrs.) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability)
- Well-developed Information Centre and Internet facilities are available to the participants.