

5-day Intensive Training Course for Energy Managers & Energy Auditors Examination

Conducted by



**ENERGY MANAGEMENT CENTRE
DEPARTMENT OF POWER
GOVERNMENT OF KERALA**

Background

As per the Energy Conservation Act 2001, it is mandatory for all the Designated Consumers (DC's) to get energy audit conducted by an Accredited Energy Auditor and to designate or appoint a certified Energy Manager. The Act also specified that the essential qualification for a certified Energy Manager and Certified Energy Auditor would be the passing of a National level Certification Examination for Energy Managers and Energy Auditors. This year the certification examination is scheduled during **24th & 25th September, 2016** (Saturday & Sunday).

Energy Management Centre (EMC) is the State Designated Agency under the Department of Power, Government of Kerala for implementing the provisions of Energy Conservation Act 2001. EMC is formulating and implementing projects on small hydropower development, IT based Energy Management Systems, Energy Audit, Energy Efficiency improvement studies and total consultancy on Small Hydro Power Projects. In addition, a large number of short duration programmes on focused areas of Energy Management and Audit, relevant to industry, commercial & power sectors have also been conducted by EMC.

Objective

The preparatory training course would aim to focus on providing sufficient inputs and knowledge to prospective energy managers and energy auditors to review and prepare for various topics/issues of concern. The courses have been specially designed to also cater to the needs of those professionals who wish to improve their capabilities in selected areas/modules for the 17th National Certification Examination for Energy Managers and Energy Auditors.

Programme Details

First Phase: **8th - 12th July 2016** (5 day class room session)

Second Phase: “Preparation at home, aided by expert support”. Participants can interact with faculties through Email and Video Conference on 3rd August at Cochin or Thiruvananthapuram

Third Phase: Revision & Review session on 1st & 2nd September

Last day for Registration : 30th June 2016

Time : 9.00 AM – 6.00PM
Venue : Energy Management Centre – Kerala
 Sreekrishna Nagar, Sreekaryam P.O
 Thiruvananthapuram- 695017
 Phone: 0471-2594922, 2594924
 E-mail: training@keralaenergy.gov.in

Methodology

The course comprises detailed discussion of the chapters of each module through presentations, Exercises, Case studies and Model exam etc. The candidates are assisted by demonstration of measuring instruments used in Energy Audit.

Faculty

Senior NPC consultants (more than 20 years of rich consulting & training experience) who are also certified Energy Auditors.

Course Coverage

09.30-10.15		10.15-11.00		11.15-12.00		12.00-13.00		14.00-15.00		15.15-16.00		16.00-16.45		16.45-17.30	
DAY 1	Energy Scenario EC Act 2001 & Related Policies	Energy Management and Audit	TEA	Material & Energy Balance	EE and Climate Change	LU	Financial Management	TE	Project Management	Energy Action Planning	Energy Monitoring & Targeting				
DAY 2	New and Renewable Energy Sources	Test 1	TEA	Fuels and combustion	Boilers	LU	FBC Boilers	TEA	Steam System	Furnaces	Insulation & Refractories				
DAY 3	Cogeneration	Waste Heat Recovery	TEA	Heat Exchangers	Test 2	LU	Electrical system & Electric motors	TEA	Pumps and Pumping System	Fans and Blowers	Lighting System Diesel / Natural Gas Power Generation				

DAY 4	HVAC and Refrigeration System	Compressed Air System	T E A	Cooling Tower	Energy Conservation in Buildings & ECBC	L U N C H	Test 3	T E A	Energy Performance Assessment of Boiler System	Energy Performance Assessment of * Cogeneration System	Performance Evaluation of HVAC System, Heat Exchangers
DAY 5	Energy Performance Assessment of Electrical Motors & Variable Speed Drives	Performance Evaluation of * Fans & Blowers * Pumps & Compressors	T E A	Energy Performance Assessment of Furnaces & Commercial Buildings	Performance Assessment of Textile Industry	L U N C H	Performance Assessment of Steel Industry / - Power Plant	Paper IV Exam Discussion of Questions & Answers			

Facilities

■ Library

The institute library has a good collection of books, journals and reports of consultancy, projects, thesis, etc related to energy management and audit.

■ Conference Hall

Fully Air-conditioned Conference hall

Fees

The fee for the training course is as given below: -

- Non-Residential: Rs.10,000/-

- The payment should be made by DD in favour of “ **Energy Management Centre**” payable at **Sreekaryam**, ten days before the commencement of the course.
- Participants for the programme are requested to bring a scientific calculator for use in exercises and problem solving sessions.

Nominations may be sent to:

Director

Energy Management Centre – Kerala

Sreekrishna Nagar, Sreekaryam P.O

Thiruvananthapuram- 695017

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