

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



ENERGY MANAGEMENT CENTRE  
DEPARTMENT OF POWER, GOVERNMENT OF KERALA

## Background

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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 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 **21<sup>st</sup> and 22<sup>nd</sup> September 2019**.

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 focusing on areas of Energy Management and Audit, relevant to industries, commercial & power sectors have also been conducted by EMC.

## Objective

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The preparatory training course would aim to focus on providing sufficient inputs and knowledge to prospective energy managers and energy auditors to prepare and review 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 20th National Certification Examination for Energy Managers and Energy Auditors.

## Programme Details

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<b>Date of training course</b>	<b>19<sup>th</sup> to 23<sup>rd</sup> August 2019</b>
<b>Last day for Registration</b>	<b>10<sup>th</sup> August 2019</b>

**Time:** 9.30 AM – 5.30 PM

**Venue:** Energy Management Centre – Kerala  
Sreekrishna Nagar, Sreekaryam P.O  
Thiruvananthapuram- 695017  
Phone: 0471-2594922, 259492

**E-mail:** [etremc@gmail.com](mailto:etremc@gmail.com), [training@keralaenergy.gov.in](mailto: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.

## 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
<b>DAY 1</b>	Energy Scenario EC Act 2001 & Related Policies	Energy Management and Audit	T E A	Material & Energy Balance	EE and Climate Change	L U N C H	Financial Management	T E A	Project Management	EnergyAction Planning	Energy Monitoring & Targeting
<b>DAY 2</b>	New and Renewable Energy Sources	<b>Test 1</b>	T E A	Fuels and combustion	Boilers	L U N C H	FBC Boilers	T E A	Steam System	Furnaces	Insulation & Refractories
<b>DAY 3</b>	Cogeneration	Waste Heat Recovery	T E A	Heat Exchangers	<b>Test 2</b>	L U N C H	Electrical system & Electric motors	T E A	Pumps and Pumping System	Fans and Blowers	Lighting System Diesel / Natural Gas Power Generation System
<b>DAY 4</b>	HVAC and Refrigeration System	Compressed Air System	T E A	Cooling Tower	Energy Conservation in Buildings & ECBC	L U N C H	<b>Test 3</b>	T E A	Energy Performance Assessment of Boiler System	Energy Performance Assessment of Cogeneration System	Performance Evaluation of HVAC System, Heat Exchangers
<b>DAY 5</b>	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	<b>Paper IV Exam Discussion of Questions &amp; Answers</b>			

## Facilities

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- **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

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

<b>Non-Residential</b>	<b>Rs.15,000/-</b>
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- The payment should be made by DD in favour of “**Energy Management Centre**” payable at **Sreekaryam**,/cash/ online transfer.
- Those who pays through online must upload the receipt/ reference number details while filling the registration form.
- Participants for the programme are requested to bring a scientific calculator for use in exercises and problem solving sessions.
- For details of fee concession contact 08281900023 (Chinthu V Kumar, PE –EMC)

## Account Details for Online Transfer:

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**Director**

**Energy Management Centre – Kerala**

**SB A/C No. 67084840014**

**IFSC Code : SBIN0070268**

**State Bank of India, Engineering College-Kulathoor**

## DD Nominations may be sent to:

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**Director**

Energy Management Centre – Kerala

Sreekrishna Nagar, Sreekaryam P.O

Thiruvananthapuram- 695017

Phone: 0471-2594922, 2594924

E-mail: [etremc@gmail.com](mailto:etremc@gmail.com), [training@keralaenergy.gov.in](mailto:training@keralaenergy.gov.in)

**Registration link in Google forms : <https://forms.gle/ZPQn9nfh85h3vo3f9>**

**Last day for Registration: 10<sup>th</sup> August 2019**