



Confederation of Indian Industry

Advanced Training Program on Energy Efficiency

Agenda: Day 1

08h30 -09h15	Registration
09h15 – 09h30	Introduction & Agenda Setting
09h30 – 10h00	<p>Introduction to Energy Management and Energy Audit Methodology</p> <p>Energy Management The session will cover the importance of energy management and approach to energy efficiency.</p> <p>Energy Audit Methodology The session will cover details about energy audit methodology, energy audit instruments, energy audit team, etc.</p>
10h00-10h15	Health Break
10h15-11h00	<p>Policy and Regulatory Framework for Energy Efficiency in India</p> <p>History and Current Status of Regulations The session will cover in brief about history and current status of regulations and policies for energy efficiency in India.</p> <p>Current Policies and Actions Plan The session will also include current status of various schemes and policies by Bureau of Energy Efficiency such as Perform Achieve and Trade Scheme, Demand Side Management, Energy Conservation Building Codes, Standards and Labelling, etc.</p>
11h00 – 13h00	<p>Energy Efficiency in Utilities</p> <p>The session will cover in detail on energy efficiency in common utilities. The session will also include current and emerging technologies, case studies and common monitorable parameters for energy efficiency.</p> <p>The session will focus on energy efficiency in following areas: Fans, Pumps and Compressors.</p>
13h00 – 13h15	Sharing of Working sheets on Energy Efficiency in Utilities and Questions and Answers
13h15 – 14h00	Lunch Break
14h00 – 14h30	Quiz and Interactive Exercise
14h30 – 15h45	<p>Energy Efficiency in Thermal Systems – I</p> <p>The session will give the participants an opportunity to understand various energy efficiency measures for the thermal utilities. The session will also include current and emerging technology, case studies and common monitorable parameters for energy efficiency. The session will focus on energy efficiency in following areas: Boiler and Steam Systems.</p>
15h45 – 16h00	Health Break
16h00 – 17h00	<p>Energy Efficiency in Thermal Systems – II</p> <p>The session will give the participants an opportunity to understand various energy efficiency measures for the thermal utilities. The session will also include current and emerging technology, case studies and common monitorable parameters for energy efficiency. The session will focus on energy efficiency in following areas: Furnaces and HVACs and Refrigeration.</p>
17h00-17h30	<p>Renewable Energy Systems</p> <p>The session will provide an overview on various RE technologies and implementation models. The</p>



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session will also cover case studies on RE installation at industries.

Agenda : Day 2

09h30 -10h30	<p>Energy Efficiency in Electrical Systems -I</p> <p>The session will cover in detail on energy efficiency in electrical utilities. The session will also include current and emerging technologies, case studies and common monitorable parameters for energy efficiency.</p> <p>The session will focus on energy efficiency in following areas: Electrical Distribution and Lighting</p>
10h30-10h45	Health Break
10h45-12h00	<p>Energy Efficiency in Electrical Systems -II</p> <p>The session will cover in detail on energy efficiency in electrical utilities. The session will also include current and emerging technologies, case studies and common monitorable parameters for energy efficiency.</p> <p>The session will focus on energy efficiency in following areas: Motor, Drives and Power Quality</p>
12h00 – 13h00	<p>Energy Management Systems</p> <p>The session will provide an overview of ISO 50001:2018 – Energy Management Systems and steps for implementation. In addition to that session will also cover in detail about the evaluation of energy efficiency projects which would enable participants to understand on undertaking feasibility analysis of projects – this will cover establishing baseline, estimation of benefits, preparing monitoring and verification plan.</p>
13h00– 13h15	Sharing of Working sheets on Energy Efficiency in electrical systems and Q&A
13h15 – 13h45	Lunch Break
13h45 – 14h00	Quiz and Interactive Exercise
14h00 – 14h30	Presentation by Danfoss Industries India Pvt Ltd
14h30-15h15	<p>Energy Efficiency Financing</p> <p>The session will provide an overview of various financing schemes available for energy efficiency financing and will also cover brief about various ESCO model for implementation of energy efficiency projects. The session would also provide various financial indicators to evaluate the energy efficiency projects.</p>
15h15 – 15h30	Health Break
15h30 – 16h15	<p>Innovative and Emerging Technologies for Energy Efficiency</p> <p>The session will give the participants an opportunity to understand various innovative and emerging technologies such as IoT solutions, CFD analysis, waste heat recovery, PID loops optimisation and other relevant technologies.</p>
16h15-17h00	<p>GHG & Climate Change</p> <p>The session will provide an overview on Climate change, Greenhouse Gases Inventorisation and management. The session will also provide basic understanding to participants on undertaking GHG inventorisation and various mitigation measures</p>
17h00-17h15	<p>Role of Energy Manager</p> <p>The session will provide an understanding to participants on roles and responsibilities of energy manager for achieving world class efficiency standards for their operations</p>
17h15-17h30	Feedback and Close