



ELECTRICAL AND ELECTRONICS ENGINEERING

**Expert Lecture on “Energy Auditing and Management”
Under TEQIP-II
on 10-03-2014 from 10.30 a.m to 1.15 & 2.15 to 3.15 in Auditorium**

Sri. B. Venkata Subbaiah, Deputy Director, Power System Training Institute, Bangalore delivered lecture on **Energy Auditing and Management**. He explained about the importance of Energy audit and management. He also explained about the Energy auditing in Buildings and Industry with case studies. He emphasized on Demand side management for the overall improvement of voltage profiles and management of reactive power.

He explained about the home energy audit is a service where the energy efficiency of a house is evaluated by a person using professional equipment (such as blower doors and infrared cameras), with the aim to suggest the best ways to improve energy efficiency in heating and cooling the house.

He discussed about an energy audit of a home may involve recording various characteristics of the building envelope including the walls, ceilings, floors, doors, windows, and skylights. For each of these components the area and resistance to heat flow is measured or estimated. The leakage rate or infiltration of air through the building envelope is of concern, both of which are strongly affected by window construction and quality of door seals such as weatherstripping.

