

Energy Managers

Responsibilities and Duties

The appointment of a qualified energy manager in an organization, as required in Japan and other countries, provides a focal point as well as leadership for all energy management activities. In India, as per the provisions of Energy Conservation Act -2001, it is mandatory for the designated consumers (energy intensive sectors) to designate or appoint an 'energy manager' under clause 14 (i). –Editor

Energy manager occupies an important position and is a focal point of all the activities pertaining to energy management in the organization. The energy manager provides leadership in the development of policy on energy management action plan and plays a key role in the formulation of corporate energy policy. Energy managers also perform the activities related with plant energy management, project management, personnel management and financial management at the plant level. He also prepares the information to be submitted to the designated agency with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor.

Bureau of Energy Efficiency (BEE) has taken up the challenge of creating a cadre of professionally qualified energy managers with expertise in energy management, project management, financing and implementation of energy efficiency projects, and policy analysis. BEE has been empowered by the law for directing designated consumers (power intensive industries) to designate or appoint certified energy managers in charge of activities for efficient use of energy and its conservation.

According to Mr. K. K. Chakarvarti, Energy Economist, Bureau of Energy Efficiency, the responsibilities and duties of an energy manager are as follows:

Responsibilities:

- Prepare an annual activity plan and present to management concerning financially attractive investments to reduce energy costs.
- Establish an energy conservation cell within the firm with management's consent about the mandate and task of the cell.
- Initiate activities to improve monitoring and process control to reduce energy costs.
- Analyze equipment performance with respect to energy efficiency.
- Ensure proper functioning and calibration of instrumentation required to assess level of energy consumption directly or indirectly.
- Prepare information material and conduct internal workshops about the topic for other staff.

- Improve disaggregating of energy consumption data down to shop level or profit center of a firm.
- Establish a methodology how to accurately calculate the specific energy consumption of various products/services or activity of the firm.
- Develop and manage training programme for energy efficiency at operating levels.
- Co-ordinate nomination of management personnel to external programmes.
- Create knowledge bank on sectoral, national and international development on energy efficiency technology and management system and information dissemination.
- Develop integrated system of energy efficiency and environmental upgradation.
- Co-ordinate implementation of energy audit/efficiency improvement projects through external agencies.
- Establish and/or participate in information exchange with other energy managers of the same sector through association.
- Report to BEE and State level designated agency once a year the information with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor, as per BEE format.
- Establish an improved data recording, collection and analysis system to keep track of energy consumption.
- Provide support to accredited energy audit firm retained by the company for the conduct of energy audit.
- Provide information to BEE as demanded in the Act, and with respect to the tasks given by a mandate, and the job description.
- Prepare a scheme for efficient use of energy and its conservation and implement such scheme keeping in view the economic stability of the investment in such form and manner as may be provided in the regulations of the Energy Conservation Act.