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Energy managers today are decision-makers responsible for energy consumption by or supply to commercial and industrial facilities. Their job encompasses both technical and management dimensions; successful energy managers are expected to perform effectively within both arenas. While engineering continues to play an important role in energy management, energy managers are expected to do more than engineer. They must understand both the energy use and the business nature of their organizations and integrate the two. They are expected to manage.

To do this, energy managers require broad technical training in the mechanics of energy use; knowledge of finance, marketing, and other business disciplines; and effective management skills for informing and motivating employees and colleagues. Finally, energy managers must keep abreast of new technologies and new applications for existing technologies in a rapidly changing field.

To facilitate the working of energy managers and fulfilling their duties and responsibilities Association of Indian Energy Managers (AIEM) needs to be created. The Association of Indian Energy Managers (AEIM) should be a partnership of business, government, and utilities to advance the understanding and practice of the efficient use of energy, emphasizing management aspects, rather than engineering alone.

Objectives and aims of that organization shall be based on the role of energy manager as well as agencies which are responsible for implementation of Energy Act-2001 namely BEE. Following aims and objectives of AEIM are listed below

1. AIMS AND OBJECTIVES OF AEIM

- a) To promote the highest standards of energy management skills and competence.
- b) To share strategies for the financing and implementation of energy efficiency projects
- c) To provide a consolidation of experience, knowledge, and interest in the field of energy management;
- d) To improve the practice of energy management by encouraging energy managers in a continuing program of professional development.
- e) To serve as an instrument for the dissemination of information.
- f) To provide a forum for the discussion of energy management issues, skills and techniques.
- g) To share strategies for the financing and implementation of energy efficiency projects.

- h) To foster and facilitate the integration of sound energy management practices into all sectors of the economy.
- i) To award special recognition to those energy managers who have demonstrated a high-level competence and ethical fitness for energy management
- j) To provide a medium for the exchange of information to the Association membership to foster a common energy management program responsive to the needs of the Indian economy.

2 PAID SERVICES THAT AIEM CAN OFFER TO BEE.

BEE is responsible for implementation of Energy conservation Act-2001. BEE has Duties and responsibilities under the act. Following points are elaborated based on the duties of BEE and services that can be offered by AIEM

- a) BEE has to take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation and arrange and organize training of personnel and specialists in the techniques for efficient use of energy and its conservation.

AIEM can coordinate with BEE and industry. AIEM will be organized into councils, chapters, Divisions covering different fields of energy management. BEE / industry in its response for dissemination of information can sponsor various activities of AEIM. Various activities which AEIM will be undertaking in the field of training / efficient use of energy can be in the form of conferences / seminars etc. AEIM conference and show will feature the leading experts in the industry, as well as a multidimensional expo. AEIM can organize “Energy Engineering Congress” which can be a flagship event featuring technical presentations and a mega-expo. Combined Heat &Power Expo, Environmental Technology Expo, Renewable Energy Technology Expo, Energy Services Center, Facilities Security Expo, Facilities e-Solutions Expo, and the Plant & Facilities Expo, are some of the topics, which can be covered and supported financially by BEE through sponsorships.

- b) Promote use of energy efficient processes, equipment, devices and systems;
BEE can outsource to AEIM the task of finding energy efficient processes, equipments etc. This can be accomplished by making industry specific task forces. This will be a coordinated effort of BEE / AEIM / Industry Associations with mutual benefit to all. AEIM through its members working in the particular industry will provide the technical base.
- c) Specify, by regulations, certification procedures for energy managers to be designated or appointed by designated consumers

BEE can outsource training courses for energy managers who are appearing in Certification programmes to AEIM. Further certification programmes can also be started by AEIM, which can be accredited by BEE. Some of the certification programmes, which AEIM can undertake, are AEIM Certified Cogeneration Professional, Lighting Efficiency

Professional, Energy Procurement Certification, Power Quality Certification, Certified Measurement & Verification etc. Financial support by BEE can be provided in this area to AEIM.

d) Strengthen consultancy services in the field of energy conservation BEE can help AEIM by outsourcing / sponsorship in providing consultancy services to industry user group. AEIM can organize different divisions for strengthen of Consultancy services in the field of energy conservation. AEIM divisions can be organized to offer opportunity in energy conservation as follows:

- Energy Services Marketing Division (ESMD) meets the growing needs of professionals involved in the energy services, demand-side management, and power marketing industry.
- The Cogeneration Division (CD) composed of professionals representing all segments of the cogeneration and competitive power industry. Interest areas include independent power production, exempt wholesale generators, and power industry developments.
- The Facility Managers Division (FMD) addresses the cross-section of issues facing today's facility manager, such as energy procurement, security, building performance, maintenance scheduling, equipment up grades, multi-site portfolio management, budget planning, energy efficiency, communications technology, environmental compliance, and employee productivity.
- The Energy Security Managers Division (ESMD) responds to the pressing need of today's energy and facility professionals to stay abreast of the latest technologies, practices, and strategies to safeguard the physical assets of their organizations and to protect their employees. Among topics of vital interest to ESMD are disaster preparedness, cyber terrorism, energy security, and bio terrorism.

BEE can sponsor / provide support for above divisions, their newsletters, and conferences in its task of promoting energy conservation.

e) Recommend to the Central Government the norms for processes and energy consumption standards required to be notified under clause (a) of section 14

AEIM can do industrial surveys on vital issues affecting the energy management. The AEIM Survey reports can cover a variety of issues including energy deregulation impact, facility management and environmental issues, future equipment purchasing decisions, policy decisions, and distributed generation options, as well as projected and current energy saving programs. All these programmes can be outsourced by BEE to AEIM in its response for getting target specific information in order to recommend the Government on the policy matters pertaining to the norms and energy consumption standards.

AEIM Councils can provide a forum for the exchange of information in specialized areas. AEIM can form through sponsorship from BEE "National Energy Policy Council" (NEPC). This Council can develop recommendations for a Balanced National Energy Plan.

3 SERVICES / BENEFITS AIEM OFFER TO CERTIFIED ENERGY MANAGERS

Association of Energy Managers can offer services as well as benefits to help energy managers to perform their duties and responsibilities. Membership of AIEM offers unique opportunities for energy managers to gain and maintain competitive edge—today and tomorrow.

As a member of AIEM, energy manager have key access to both the vital information he needs and the peer professionals whose expertise can help him achieve energy management goals. AIEM will provide a framework within which energy mangers can network and promote business interests, and, through its programs, acquire the “tools” needed to maintain competitive edge.

AEIM can give special recognition both to individuals and companies who have demonstrated notable contributions to the profession and exceptional service to the Association. This recognition can be awarded on the local, regional, and national levels. Awards are given in major categories such as: Energy Engineer of the Year, Corporate Energy Management, Energy Professional Development, Energy Manager of the Year, Energy Management Executive of the Year, and Energy Project of the Year, Environmental Professional of the Year, Environmental Project of the Year, Energy Service Professional, and Competitive Power Company of the Year.

Further AEIM can institute an “Energy Managers Hall of Fame” for their lifetime achievements in promoting both the practices and principles of energy management. A permanent display indicating all Hall of Fame honorees will be in place at AEIM office. Each person admitted to the Hall of Fame may receive an award, presented at an AEIM convention, signifying the individual’s particular accomplishments.

Easy interaction with professional peers during conferences, meetings, workshops, and expos is a key benefit of AEIM membership. AEIM will offer resources that enable members to prepare themselves to achieve industry recognized professional certification.

AEIM will be divided into vast array of Chapter, Division, and Councils in which members can associate themselves in their activities.

Broadly speaking AEIM can help energy managers in their duties and responsibilities by following:

1. Energy manager gain access to vital industry-specific information that keep him fully informed.
2. Energy manager participate in an organization that recognizes outstanding professional achievement.
3. Energy manager benefit from early exposure to new ideas, technologies, & services, tour programs & expos etc.