

Request for CTCN's Technical Assistance for: National Certification Scheme For Energy Auditors



IMRAN KHAN
Ministry of Climate Change, Govt. of Pakistan
April 27, 2017

Background

- National Energy Efficiency and Conservation Act 2016.
- As per Pakistan's NDCs, energy is the largest contributing sector in emissions profile, contributing 46% percent to total emissions.
- It has been ascertained that there is 20-25 % potential for energy saving in all sectors of economy and specifically in the industrial sector.
- A diverse range of industries have already experienced improved energy and production efficiency following energy audits conducted under various programs. But apart from general training programs and capacity buildings initiatives, no professional certification exist for Energy Auditors and this has been covered now in the said Act.

Background

...contd

- According to definition of the Certified Energy Auditor specified in the Act, the Authority will have to establish a certification mechanism for Energy Auditors / Managers.
- The energy audits would also become mandatory for designated consumers (energy intensive industries/buildings).
- NEECA needs technical assistance of CTCN for developing, institutionalizing and executing a National certification scheme for energy auditors/managers.

Assistance Requested

- Development of national certification scheme for energy auditor incl. programme overview, application process, curriculum and syllabus, eligibility criteria etc
- Development of course content, guidebooks and first set of questions banks for the energy auditor and manager examination
- Organize a preparatory technical training programme on “Energy Audit “. This will cover all aspects of energy auditing, data collection procedures, equipment familiarization and utility analysis.
- Preparation of Guidelines by keeping in view the best practices in the region for correctly analyzing the energy threshold levels for designated consumers and identification.

Assistance Requested ...contd

- Preparation of report on necessary rules and regulations for effectively amalgamating the national certification scheme for energy auditor with the mandatory energy audits of designated consumers also covering the Energy Conservation Tribunals role in case of non-compliance of the provisions of the Act.
- Preparation of draft rules and regulations required for making the scheme effective.

Expected Benefits

Short term benefits:

- The certification scheme will help in identifying the professionals having the required knowledge and experience needed to succeed in the growing field of energy auditing. So it will facilitate in creating a pool of energy auditors and managers to carry out the job and help in implementing provisions of the National Energy Efficiency and Conservation Act 2016 effectively.
- The guidebooks and systematic training programmes will raise the professional standards of those engaged in energy auditing and improve the practice of energy auditors

Expected Benefits

...contd

Long term benefits:

- The energy audit followed by the identification of the energy efficiency and conservation opportunities with investment potential will open up larger investment in the energy efficiency sector in Pakistan.
- It would be helpful in reducing the GHG emissions keeping in view the business as usual scenario.

Post Assistance Plan

- Once the proposed technical assistance is provided and the national certification scheme is developed, NEECA will carry out the certification examination.
- Selected energy auditor and managers will be certified and then these auditors will be appointed by the designated agencies of the respective provinces for the purpose of ensuring the compliances of the Act.
- The Examinations would be conducted on Annual basis and this will become a regular ongoing program of the NEECA. The Auditors will play an important role to keep the expected increase in energy demand suppressed and through various interventions the productivity of many industries will also increase.

Thank You