



ENERGY EFFICIENCY CENTER

(Federation of Nepalese Chamber of Commerce & Industry)

Announces a series of three intensive practice oriented courses

On

ENERGY AUDIT

INTRODUCTION

In the Nepalese context, as a growing economy with ever increasing energy demand-supply gap, energy efficiency has been well identified to be a viable, cost effective alternative, as against capacity addition, be it in the industry sector, or the other sectors of the economy.

As part of “Nepal Energy Efficiency Programme” (a bilateral initiative between Government of Nepal and Government of Germany), GIZ Nepal is supporting Energy Efficiency Center (an autonomous center functioning under the Federation of Nepalese Chambers of Commerce and Industry FNCCI), in promoting energy efficiency in industrial enterprises, with capacity building in Energy Audit as an area of focus.

An Energy Audit, as a means to improve energy efficiency, involves a systematic study of all major energy consuming sections and equipment and processes, to identify specific practical measures for efficient use of energy and loss minimization. The conduct of energy audit and implementation of cost effective recommendations, through trained energy auditors is expected to help the Nepalese industry in achieving significant energy and cost savings.

Energy Efficiency Center is pleased to announce a series of three intensive, practice oriented, training courses on ENERGY AUDIT, for aspiring career professionals, which will be followed by a screening examination towards certification and future association in NEEP sponsored energy audits.

OBJECTIVES OF THE COURSES:

To equip the aspiring professionals with knowledge on Energy efficiency, Energy Audit (EA) skills and hands on experience on Energy auditing in industry.

FEATURES OF THE COURSES:

- The training programmes would cover the four modules on lines of BEE (Bureau of Energy Efficiency, India), courseware of National Certification Examination for Energy Auditors.

Module– 1	General Aspects of Energy Management & Energy Audit.
Module– 2	Energy Efficiency in Thermal Utilities.
Module– 3	Energy Efficiency in Electrical Utilities
Module– 4	Energy Performance Assessment of Equipment and Utility Systems.

- In addition, issues related to Nepalese energy scenario, policies and opportunities in Nepalese prioritized industrial sectors in terms of energy intensity will be covered.

- The expert faculty will comprise of energy efficiency experts from leading institutions like National Productivity Council, India (NPC), supported by long term EE experts from GIZ/INTEGRATION and other local experts and trainers.
- Course delivery would be, by way of lectures, case studies, small group activities, audio-visuals, instrument demonstration and hands on Energy Audit.
- The courses will have a mix of classroom training and hands on (practical) EA exposure. Classroom training will be of 10-days followed by a six day hands-on (EA) training.
- After the courses, a qualifying examination will be held (on lines of BEE India National Certification Examination).
- Successfully qualified candidates (obtaining minimum 50 % marks in all 4 papers respectively) will be given certificates, and co-opted for Energy Audits, coming up, under the NEEP program of GIZ Nepal.

CANDIDATE PREQUALIFICATION:

- **A candidate should be a Nepali Citizen**
- **Engineering graduate, preferably from Chemical, Mechanical, Electrical or Industrial Engineering disciplines;**
- **PLUS-**
- **three years of Energy Audit/Energy Efficiency consulting experience within the Nepalese Industries after engineering graduation,**
OR,
- **three years of industrial experience in maintenance, operation of energy equipments, plant operation, allied areas within the Nepalese Industries after engineering graduation,**
OR,
- **Three years experience as researcher/ trainer/teacher/faculty in any technical and or techno managerial areas relevant to Nepalese Industries after engineering graduation.**
- **Having reports (published or unpublished) on Energy Audit or Energy Efficiency activities carried out during academic achievement or professional career will be an added advantage..**
- **Exposure or experience in research/study/work in relevant areas among 8 sectors (Cement, Brick, Pulp & paper, Food, Metal, Cold storage, Soap & chemical, and Hotel) will be an added advantage**
- **A statement of commitment, to successfully complete the course, and carry out followup energy audit(s), under the guidance of Regional and National experts, as part of NEEP project, is mandatory.**

COURSE FEE

The course being a sponsored initiative under the NEEP programme, a token commitment fee will be charged as follows:

For self-sponsored candidate: NRs. 10,000.00 plus taxes as applicable.

For organization-sponsored candidate (not more than one candidate per organization): NRs. 20,000.00 plus VAT as applicable.

Draft Schedule of Energy Auditor Courses

(All six days a week, except Saturday, from 0900 Hrs to 1730 Hrs)

Course reference	Location	Duration	Venue	Payment by cash/Cheque to be made in favour of Energy Efficiency Center	Address to which Application and Fee should be sent
NEEP-EAC 1	Kathmandu (Batch of 15 participants)	09 th Sept– 28 th Sept'012	Hotel Greenwich, Kathmandu	Payable at Kathmandu	Project Manager Energy Efficiency Center FNCCI Building, Teku, Kathmandu Nepal Ph 01 4262061, 4262218 Fax 01 4261022, 4262007 email: eec@fncci.org
NEEP-EAC 2	Biratnagar (Batch of 15 participants)	25 th Nov 012– 14 th Dec'012	Chamber of Industries, Morang, Biratnagar.	Payable at Kathmandu	Project Manager Energy Efficiency Center FNCCI Building, Teku, Kathmandu Nepal Ph 01 4262061, 4262218 Fax 01 4261022, 4262007 email: eec@fncci.org
NEEP-EAC 3	Kathmandu (Batch of 15 participants)	25 th Nov 012– 14 th Dec'012	. Hotel Greenwich, Kathmandu	Payable at Kathmandu	Project Manager Energy Efficiency Center FNCCI Building, Teku, Kathmandu Nepal Ph 01 4262061, 4262218 Fax 01 4261022, 4262007 email: eec@fncci.org

Notes:

- Twin sharing stay arrangements can be provided for, near the programme venue for outstation candidates, on request,
- Outstation travel expenses reimbursement, by road, by shortest distance, can be provided for the candidates, on request, and proof of travel.
- Selection criteria will include prequalification fulfillment, on first come first served basis, and subject to limited seats available. EEC's decision on selection of candidates will be full and final.
- **Energy Auditor course qualifying examination, of four papers, will be conducted on last two days of courses.**