



Energy Efficiency and Conservation (EE&C) for Climate Change Mitigation

19 August - 8 September 2020

Closing date for application : 15 June 2020

TICA : Thailand International Cooperation Agency

is a national focal point for Thailand's international development cooperation. TICA was established in 2004 to realize Thailand's aspiration to be a contributor of development cooperation. Believing that global challenges are best addressed by international cooperation and global partnership, today we continue to strengthen our contribution to achieve global development agenda through various capacity-building and human resources development programmes. In response to the recent changes in the global landscape of development cooperation, especially through the concept of South-South and Triangular Cooperation, TICA continues to realign our focuses in order to deliver Thailand's commitment to be a relevant partner in global agendas including the 2030 Agenda for Sustainable Development.

AITC : Annual International Training Course

was initiated in 1991 as a framework in providing short-term training for developing partners. Today, the AITC remains one of TICA's flagship programmes. It offers not only a training experience, but also a platform in exchanging ideas and establishing professional network among participants from across the developing world. Aiming at sharing Thailand's best practices and experience to the world, the AITC training courses focus on development topics of our expertise currently categorized under five themes namely; **"Sufficiency Economy Philosophy"** or SEP, **Food Security, Public Health, Climate Change,** and **Other topics related to Sustainable Development Goals (SDGs).**

The Joint Graduate School of Energy and Environment, King Mongkut's University of Technology Thonburi

is a well-known institute conducting international degree programs at graduate level and high impact research in energy and environment. In energy related area, EE&AE technology and management are focused. JGSEE has a number of staff with expertise and long experience in EE&AE. In addition in-house staff and facility, the inter-university and industrial linkage will also give more opportunity for experts and industrial facility. The course will mainly be conducted at JGSEE/KMUTT, which also offers high standard and comfortable university guesthouse.

AITC Theme : Climate Change

This training course falls under the AITC theme – "Climate Change". We believed that Climate Change is one of the most serious and pressing global challenges with momentous consequences if left unattended. Therefore, strengthening resilience and adaptive capacity to climate-related hazards and natural disasters is crucial to sustainable future. The AITC courses under the theme "Climate Change" are part of Thailand's commitment to work with the international community to achieve SDG goal # 13 on Climate Action.

Course Objectives

1. Build participants' awareness in global warming impacts and their relationships with energy
2. Increase participants' capacity in energy efficiency improvement
3. Disseminate energy efficiency technologies for further application
4. Distribute the knowledge of energy efficiency improvement in relation with global warming mitigation

Course Methodology

Training methodologies to be used during this training course include;

- lecture
- workshop
- practical exercise
- field visit

Assignment and Evaluation

1) Country Report

Each participant will be asked to prepare their country report and present. The format of country should follow the items Attachment 1.

2) Reading Assignment

Prior to attending the course, participants will be asked to read about Global Warming, Kyoto Protocol, Energy Conservation, Renewable Energy, Sustainable Energy Management and Sustainability Measurement.

3) Project Assignment

The solving scheme will be assigned to the participants to design and it will be presented and discussed at the end.

4) Others

At the end of the day, participant should prepare a performance to show for cultural exchange.

Course Outline

- Module 1: Opening and introduction
- Module 2: Global warming and climate change
- Module 3: Energy fundamentals and outlooks
- Module 4: Energy conservation laws and standards
- Module 5: Site visit 1
EGAT Learning Center or MEA or SCG
- Module 6: Energy efficiency improvement technologies
- Module 7: Energy management system and audit
- Module 8: Site visit 2
The PTT Gas Separation Plant Units @ Rayong or IRPC or BLCP
- Module 8: Site visit 3
Waste to Energy Plant @ Rayong
- Module 9: Country paper presentation and discussion
- Module 10: Wrap-up and closing

Participant Criteria

Applicant for this course should

- have at least bachelor degree in relation to energy, environment, economics, and science, and good English proficiency
- have at least 1 year working experience
- currently work closely in the areas of energy efficiency and alternative energy
- be strongly motivated to improve energy efficiency and/or apply alternative energy in his/her organization

Application

- Candidates must be nominated/ endorsed by their respective governments of the eligible countries/territories by the closing date for application.
- Complete nomination documents must be submitted to TICA through the Royal Thai Embassy/ Permanent Mission of Thailand to the United Nations/Royal Thai Consulate-General accredited to eligible countries/ territories.

(See “List of Eligible Countries” for more information)

Selection and Confirmation

- Particular attention shall be paid to the candidates’ background, their current position, and practical use they expect to make of the knowledge and experience gained from training on the return to their positions.
- Selection of participants is also based on geographical distribution and gender balance.
- Successful applicants will be informed approximately 4 weeks before the beginning of training course.
- Successful applicants must return duly completed and signed acceptance form by the deadline to confirm their participation in the programme.

Number of Participants

20 persons

Terms of Awards

For AITC Eligible Countries - AITC Training Fellowship* include training fee, return economy-class, airfare, accommodation, allowance, insurance, airport transfer and social programme.

For Non-AITC-Eligible Countries - AITC Training Fellowship* include training fee, accommodation, allowance, insurance, airport transfer and social programme

* Subject to rates and conditions established by TICA

Training Institution and Venue

The Joint Graduate School of Energy and Environment, King Mongkut’s University of Technology Thonburi

Contact

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For more information on qualifications, application forms, and application procedures, please visit our website at <http://www.tica.thaigov.net/main/en/information/73803-Annual-International-Training-Course.html>

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