



Waste Management and Wastewater Treatment for Sustainability

6 – 27 November 2019

Closing date for application : 19 August 2019

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).**

Faculty of Environment and Resources Studies

Mahidol University

Faculty of Environment and Resources Studies, Mahidol University was founded in 1978 as a successor of the environment education, research project and certainly reaches its aim for sustainable development. The faculty's vision is to be a renowned institution of Asia in cultivating sustainable nature and society and main mission is to develop teaching, research and academic service qualities, and to cultivate environmental ethics in order to reach sustainable environment and society.

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

This training course aims at sharing Thailand's experiences in the principles underlining effective waste management from generation, collection, transport, reuse, recycle, disposal and technology for wastewater collection and treatment. At the end of this course, participants are expected to;

- Understand concept of the principles underlining effective waste management from generation, collection, transport, reuse, recycle and disposal and technology for wastewater collection and treatment.
- Be able to enhance practical knowledge, technology and skills in the area.

Course Methodology

Training methodologies to be used during this training course include;

- Lecture
- Workshop discussion
- Field visit

Assignment and Evaluation

- In-class participation.
- Advance assignment - Submission and presentation of "Country Report" which include information regarding the current situation on waste management and wastewater treatment and the best available technologies/ practices related to waste recycling, treatment, and disposal processes and wastewater treatment in participant's respective country.
- Attendance - Participants are required to attend all activities organized during the course. TICA reserves the rights to revoke its fellowship offered or take appropriate action in case a participant is in attendance of less than 90 percent of the training hours.

Course Outline

This training course covers focuses on concepts and principles knowledge of municipal solid waste management and wastewater treatment technologies. The topics of training are such as;

- Waste management for sustainability
- Industrial waste and hazardous waste management
- Waste as a resources
- Chemical treatment of waste
- Land disposal
- Central wastewater treatment system for urban area (activated sludge/oxidation ditch/RBC)
- WTE: sludge/organic waste digestion in anaerobic process/ biogas utilization for energy in small scale
- Illegal dumping/discharge: Investigation and remediation
- On-site/individual wastewater treatment system/WWT system for rural area (stabilization pond/septic tank)
- Environmentally sound management of E-waste
- Site selection and GIS application
- Public participation/ fee collection

Participant Criteria

Candidates must possess qualifications as specified in "Guideline for Thailand's Annual International Training Course Programme" No. 2 "Qualifications" as well as following qualifications;-

- Currently working more than two-year experience in relevant fields.
- Graduated to bachelor degree or higher degree in relevant fields.
- Less than 40 years old of age, in good health and be able to physically carry out field visits.
- Good command in English.

Application

- Candidates must be nominated/ endorsed by their respective governments of the eligible countries/territories as well as Andorra, Austria, Belgium, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Holy See, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland, The former Yugoslav Republic of Macedonia, United Kingdom and United States.
- 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)

Number of Participants

20 persons

Training Institution and Venue

Faculty of Environment and Resource Studies,
Mahidol University,
999 Phutthamonthon 4 Rd.,
Salaya, Phutthamonthon,
Nakhon Pathom, 73170 THAILAND.
Website: www.en.mahidol.ac.th

Selection and Confirmation

- Selection of participants will be given priority to applicants from OSCE participating states.
- 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.

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.

* Subject to rates and conditions established by TICA

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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