



Best Available Technique (BAT) and Best Environmental Practice (BEP) under the Context of UNIDO

29 October - 19 November 2020

Closing date for application : 17 August 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)**.

National Institute of Development Administration

(NIDA) was established in 1966, following His Majesty the late King Bhumibol Adulyadej's vision of advancing Thailand's development through the establishment of an advanced educational institution to prepare people to become agents of change for national development. Today, NIDA is Thailand's leading educational institution concentrating exclusively on graduate studies in fields related to national development. The institute comprised of 12 schools and 10 centers. This training course is to be organized in cooperation by Siripattana Training Center and Center for Research & Development of Disaster Prevention & Management

AITC Theme : Climate Change

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

By the end of the course, participants will be able to:

1. Understand the concept of clean technology with the benefits of releasing low industrial waste under the context of Eco-industry.
2. Transfer the knowledge of clean technology by using low toxic chemicals to both government and private sectors at his/her own country after completing this training course.
3. Learn the process of recycling industrial waste in the most practical manner.
4. Perceive the significance of BAT/BEP concept under the context of UNIDO and be able to apply this knowledge to industrial sector of own country.
5. Conscious of the toxicity of dioxins and polycyclic aromatic hydrocarbons as both carcinogenic and mutagenic substance coupled with learning of scientific technology.
6. Interpret the toxic chemicals released from each type of fuels including their heat efficiencies.
7. Provide the knowledge of specialty associated with industrial boilers coupled with its heat efficiencies.
8. Understand the public participation as one of the social tools to raise public awareness between industrial sector and local community around the industrial estate.
9. Learn the knowledge associated with EU committee authorized BAT/BEP concepts.

Assignment and Evaluation

- Advance Assignment

Before arrival, each participant is required to prepare the 8 pages country report for oral presentation of the report to class in order to share interesting information and findings from the Country Report with participants from other countries and regions.

- Evaluation

Complete the project assignment with attending >90% of total training period.

Course Outline

- Paleo Climate Study in Antarctica
- Role of Organic Carbon & Elemental Carbon in Aerosols
- Introduction of Polycyclic Aromatic Hydrocarbons (PAHs) and Environmental Sampling Equipment; History of PAHs such as Physicochemical Properties, Sources and Sinks, Adverse Human Health Effects, Toxicity and International Standards of Air Quality, Water Quality, Soil Quality and Sediment Quality as well as project backgrounds of reference case studies.
- Identify the materials coming from boiler operation and maintenance that are potentially harmful to people and the environment.
- Occurrences, Fate and adverse ecological effects of PAHs in Tropical atmospheric environment.
- Best Available Techniques (BAT) and Best Environment Practices (BEP) for Boilers.

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;

- Hold a Bachelor degree in Science or Engineering
- Good command in English.

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)

Course Methodology

Training methodologies which will be used during the course including

- Lecture
- Group discussion
- Site visit

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

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.

Contact

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Training Institution and Venue

Siripattana Training Center, National Institute of Development Administration (NIDA)

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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