



*We are back!
Here is the 3rd issue of newsletter
of the project*

A 3-DAY TRAINING ON COMMERCIAL BIOGAS TECHNOLOGIES

Under the framework of the project “Reduction of GHG emission through promotion of commercial biogas plants”, UNIDO in collaboration with Royal University of Agriculture through Biogas Technology and Information Center (BTIC) and Energy and Energy Research and Development Institute (ERDI) based in Thailand, organized a three-day Introductory Training Workshop on Commercial Biogas from Pig Manure: solutions for rural electrification and GHG mitigation in Cambodia from 14 to 16 March 2017. The objective of the training is to provide a basic understanding to participants on biogas production, treatment and utilization of biogas produced from pig manure at medium and large commercial farms in Cambodia. The training participated by 20 trainees from academic, governmental entities (including General Secretariat of the National Council



for Sustainable Development, Ministry of Agriculture, Forestry and Fisheries, Ministry of Mines and Energy) as well as commercial bank, of whom 25% are women.

MISSION OF BIOGAS INSTITUTE OF MINISTRY OF AGRICULTURE (BIOMA) BASED IN CHINA

Senior Director of Engineering Department from BIOMA, Mr. LEI Yuhui, has fielded to Cambodia in early August to explore possibility to establish a long-term partnership with BTIC in order to promote the commercial biogas technologies in the country. During the mission, the team met with BTIC team to discuss the needs and capacity gaps of BTIC as well as their modalities of cooperation. In addition, the mission team paid courtesy meeting to the Delegate and Director General for General Directorate of Animal Health and Production (GDAHP) to get information related to livestock promotion policies. The team also visited one of the potential farm for setting up biogas plant to learn about its operation, energy consumption and its farm management. BIOMA is the lead research institution in China that focuses on the rural renewable energy, management of rural environment, and scientific research and technical promotion of basic theory and key common technologies for rural energy and biogas engineering technology, anaerobic microorganism and anaerobic operation technique.



A TRAINING ON ENGINEERING, PROCUREMENT AND CONSTRUCTION MANAGEMENT (EPCM)

A 10-day training cum field assessment on Engineering, Procurement and Construction Management (EPCM) of large-scale biogas systems provided by the Senior Biogas expert from Germany to capacitate the BTIC members the knowledge necessary for supervising EPCM related assignments in commercial biogas system installation. The members also learnt how to conduct technical and financial feasibility study for pig farms. Their roles in supporting supplier selection and field inspection were discussed to support the farm owners/project developers. The practical field mission for EPCM was conducted as a part of hand-on training to validate/update the info of the viable farms for procurement support by BTIC. Based on the findings at least 3 biogas demonstrations will be developed using EPCM design developed the Senior Biogas expert and BTIC.



BTIC'S WEBSITE

A web platform (<http://www.btic-rua.org>) for BTIC has been developed in order to enable the public especially farms owner who are interested in developing commercial biogas to access to information of commercial biogas system in Cambodia and to inquire the services provided by BTIC. In addition, it will serve as the communication tool to disseminate the activities and achievement made by the BTIC.



Upcoming events:

February - 3rd Project Steering Committee meeting: the project will organize steering committee meeting in order to update the progress and seek strategic advisory from the board.

March: BTIC and German Biogas Association (FvB) will conduct an Analysis of alternative uses of Biogas in Cambodia from various feedstocks. The FvB will support the BTIC to collect and analyze data and then jointly prepare report to make informed decision making as well as demonstration of viable applications.

May: Organization of regional workshop to urge the interest of the commercial farms to participate in the project and to disseminate the presence of BTIC and its services.

At a glance:

Project title: Reduction of GHG emission through promotion of commercial biogas plants

Duration: 4 years (2015-2019)

Budget: USD 1,500,499

Donor: Global Environment Facility (GEF)

Location: Nation-wide

Counterpart agency and executing partners: Ministry of Environment (MoE), Ministry of Agriculture, Forestry and Fisheries (MAFF), Foreign Trade Bank (FTB), and Royal University of Agriculture (RUA).

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