Training Course on Renewable Energy Application Technology for Developing Countries

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<tr><td>Name</td><td colspan="5">Training Course on Renewable Energy Application Technology for Developing Countries</td></tr>
<tr><td>Organizer</td><td colspan="5">Biogas Institute of Ministry of Agriculture and Rural Affairs</td></tr>
<tr><td>Time</td><td colspan="2">2024-08-29 -- 2024-09-18</td><td colspan="2">Language for Learning</td><td>English</td></tr>
<tr><td>Invited Countries</td><td colspan="5">Developing Countries</td></tr>
<tr><td>Number of Participants</td><td colspan="5">25</td></tr>
<tr><td rowspan="4">Requirements for the Participants</td><td>Age</td><td colspan="4">Under 45 for officials at or under director’s level;
under 50 for officials at director general’s level.</td></tr>
<tr><td>Health</td><td colspan="4">In good health with health certificate issued by the local public hospitals; without diseases with which entry to China is disallowed by China’s laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without metal diseases or epidemic diseases that are likely to cause serious threat to public health; not in the process of recovering after a major operation or in the process of acute diseases; not seriously disabled or pregnant</td></tr>
<tr><td>Language</td><td colspan="4">Capable of listening, speaking, reading and writing in English during the training</td></tr>
<tr><td>others</td><td colspan="4">Family members or friends shall not follow</td></tr>
<tr><td>Host City</td><td colspan="2">Chengdu, Sichuan province</td><td>Local Temperature</td><td colspan="2">12℃-25℃</td></tr>
<tr><td>Cities to visit</td><td colspan="2">Dujiangyan City，Sichuan Province,Deyang City，Sichuan Province</td><td>Local Temperature</td><td colspan="2">Dujiangyan City：12℃-25℃
Deyang City：12℃-25℃</td></tr>
<tr><td>Notes</td><td colspan="5">1. Visa: Please confirm that the visa validity period covers from five days before the program starts to five days after the program ends.
2. Daily life preparation:
(1) Prepare light footwear to facilitate outside visits; formal dress or national dress is required for important activities of the training course.
(2) You can carry a small amount of commonly used drugs according to your own situation. It is strictly prohibited to bring prohibited and exceeding the limit of drugs into the country.
(3) If you have any needs regarding religious belief, please communicate with the organizer.
3. Luggage:
(1) Please pay attention to the standard of luggage allowed on flights. The responsibility for excess baggage fees and missed flights caused by baggage disputes shall be borne by the individual.
(2) Please confirm whether you need to check your luggage again during the transfer.
(3) If the baggage is lost, please register with the airline. When filling in the registration form, please call the contact person of the undertaker to confirm the address of the baggage delivery.
4. Missed flights and pick up at the airport:
(1) If you cannot leave for China on time or if the flight is delayed during the transfer, please contact the project contact person to update your latest flight status,
(2) When the flight has landed and the luggage has been claimed, please wait at the international or domestic arrival exit. BIOMA staff will pick you up at the airport. If anything</td></tr>
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<tr><td></td><td colspan="2">unusual happens, you can call the project contact person.
5. Ticket change: If the ticket is changed without consent or cancelled or changed due to personal reasons, the expenses and liabilities incurred shall be borne by the individual.
6. Please contact the program contact person (mobile phone number 0086-18113017201) via WhatsApp before coming to China.</td></tr>
<tr><td rowspan="5">Contact of the Organizer</td><td>Contact Person(s)</td><td>Mr.Lai Chengxi, Ms.Wang Zixuan</td></tr>
<tr><td>Telephone</td><td>0086-28-85230677(Mr.Lai), 0086-28-85230677(Ms.Wang)</td></tr>
<tr><td>Cell</td><td>0086-13308229597(Mr.Lai), 0086-18113017201(Ms.Wang)</td></tr>
<tr><td>Fax</td><td>0086-28-85230677(Mr.Lai), 0086-28-85230677(Ms.Wang)</td></tr>
<tr><td>E-mail</td><td>biomatc@163.com(Mr.Lai), biomatc@163.com(Ms.Wang)</td></tr>
<tr><td>About the Organizer</td><td colspan="2">Founded in 1979, Chengdu Biogas Institute of Ministry of Agriculture and Rural Affairs (BIOMA) is mainly responsible for the basic and applied research, frontier technology research, major key generic technology research, other public welfare research and the technical extension and trainings in biogas and other rural renewable energy, rural environmental treatment and the cross field of agro-ecological restoration. BIOMA has been committed to actively promoting knowledge dissemination and technology transfer in related fields through trainings, demonstration projects and cooperative research. In 1981, upon the agreement between Chinese government and UNDP, the Asia-pacific Biogas Research and Training Center (BRTC) in Chengdu of China was established at BIOMA. In 2014, FAO designated BIOMA as “FAO Reference Center for Biogas Research and Training”. In 2021, BIOMA was titled as one of the first “China-Africa Joint Centers for Modern Agrotechnology Exchange, Demonstration &Training” by the Ministry of Foreign Affairs and the Ministry of Agriculture and Rural Affairs.
Since its establishment in 1979, BIOMA has held more than 170 international trainings sponsored by the Chinese government and international organizations for more than 5,400 international participants from over 130 countries. At the same time, entrusted by the Chinese government and international organizations, experts from BIOMA have conducted overseas training and demonstration projects in developing countries, actively participated in the introduction and export of agricultural technologies and products, and established long-term cooperative relations with scientific research institutions in Europe, America and other developed areas.</td></tr>
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Seminar Content	Renewable energy application technology in developing countries will be discussed with participants in the seminar through classroom lectures, field visits, cultural tours and other forms. 1. Introduction to main training courses and contents (1) Overview of China's national conditions: Introduction of China's society, culture and folk customs, as well as the concept of a community with a shared future for mankind advocated by China and the practical measures of the Belt and Road Initiative. (2) New energy research and development background: introduces the current development and utilization of new energy in China, as well as the trends and policies of new energy utilization in the future. (3) Current situation of China's biomass energy development and utilization: The background of China's biomass energy utilization, production of biogas from agricultural waste, biomass molding fuel from agricultural waste, bioethanol and biodiesel from biomass, etc. (4) Biogas technology status and development overview: The development history, model and support mechanism of biogas are introduced. (5) Solar photovoltaic technology introduction and development status: introduces solar power generation technology, classification, development history, status and challenges. (6) The development and application of China's hydropower resources: introduces the general situation, development status, existing problems and development prospects of China's hydropower resources. (7) Development and current situation of wind power generation technology: introduces wind power generation technology, development status and trend. (8) Development history and thinking of hydrogen energy: The development background and development history of hydrogen energy are introduced, including the cutting-edge scientific research development and bottleneck problems in related fields in the past 20 years, the industrialization process and future application scenarios, the path and method of hydrogen energy acquisition, as well as the advantages and disadvantages and difficulties analysis of future hydrogen energy utilization. (9) Exploitation and utilization of geothermal energy in China: The development status of geothermal industry in China and the potential and prospect of geothermal development are introduced. (10) Straw biogas plants: Introduces the fermentation process of straw biogas plants, analyzes the difficulties and typical cases. (11) Biogas power generation technology: introduces the common biogas utilization methods, the basic principle of biogas power generation and the choice of biogas power generator models. (12) Promoting Sustainable Development of Renewable Energy through South-South Cooperation and Tripartite Cooperation: This lecture introduces the current situation and practices of international cooperation and exchanges in the field of renewable energy from the perspective of the necessity and potential of promoting sustainable development of renewable energy, and makes suggestions on developing South-South cooperation and tripartite cooperation paths in related fields of renewable energy. 2. Filed visits and cultural tours Participants will pay field visits to renewable energy enterprises, centralized biogas supply projects, bio-natural gas plants, and etc. They will also visit the Chengdu Research Base of Giant Pandas and the Dujiangyan Water Conservancy Project in Sichuan province to experience the world natural cultural heritage and China's achievements in reform and opening up. 3. Professional Practice Seminar participants will visit BIOMA’s Key Laboratory of Renewable Energy for hands-on practice of lab experiments: anaerobic media preparation, microscope observation of methanogenic bacteria and colony selection of methanogenic bacteria