

## Project Description

Name	2017 Seminar on Small Hydropower and Sustainable Development of Rural Communities for ASEAN Countries		
Organizer	National Research Institute for Rural Electrification, Ministry of Water Resources; International Center on Small Hydro Power (Co-organizer)		
Time	September 14 <sup>th</sup> – 27 <sup>th</sup> , 2017	Language	English
Invited Countries	Electric power and energy officials of ASEAN countries		
Number of Participants	25		
Requirements for the Participants	Age	Under 45 for officials at or below director's level; under 50 for officials at director general's level.	
	Health	In good health condition with a health certificate issued by the local public hospital; without diseases with which entry to China is disallowed by Chinese laws or regulations; without severe chronic disease such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without mental 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 nor pregnant.	
	Language	Capable of listening, speaking, reading and writing in English.	
	Others	The expenses of family members or friends coming to and staying in China will not be covered by the Chinese Government.	
Host City	Hangzhou City, Zhejiang Province	Local Temperature	15-24°C
Cities to visit	Shanghai City; Jinhua City, Dongyang City, Anji County, Zhejiang Province	Local Temperature	Shanghai City 15-24°C Jinhua, Zhejiang Province 16-25°C Dongyang City, Zhejiang Province 16-25°C Anji County, Zhejiang Province 14-23°C
Notes			
Contact of the Organizer	Contact Person	Ms. SHI Jin; Mr. DONG Guofeng	
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<p>About the Organizer</p>	<p>HRC, also called NRIRE, was founded with the joint sponsorships of Chinese government and UN organizations such as UNDP/UNIDO in 1981 in Hangzhou, China, specializing in R+D and training etc. in the fields of renewable energy development including SHP and rural electrification. Entrusted by Chinese Ministry of Water Resources, the Ministry of Commerce, the Ministry of Science &amp; Technology, the Ministry of Foreign Affairs, UNDP, UNIDO, ILO, FAO and ASEAN Secretariat etc., HRC has until now, successfully hosted 87 seminars/training courses for more than 1700 participants of 112 countries regarding the subjects of rural electrification, water resources and renewable energy, inclusive of small hydropower, solar energy and wind power, etc. Meanwhile, HRC hosted over 30 international meetings or conferences in China and abroad, such as “Second International SHP Seminar” in Hangzhou, “International Seminar for S&amp;MHP” in Brazil, “Promotion Conference for Clean Energy Development” in Macedonia, “Seminar on Small Hydropower and Rural Electrification” in Tanzania, “Ministerial Seminar on Water Resources Management &amp; Planning for Developing Countries” and “Ministerial Seminar on Water Resources and Small Hydropower for Developing Countries”, etc. and approved to be “International S+T Cooperation Base of Zhejiang Province for Renewable Energy and Rural Electrification”. It is also renowned as the “Family of SHP in the World” and certified as the “Model of South-South Cooperation” of the Ministry of Commerce of China.</p>
<p>Seminar Content</p>	<p>Entrusted by the Ministry of Commerce of China, HRC will host the “2017 Seminar on Small Hydropower and Sustainable Development of Rural Communities for ASEAN Countries” (in English) for 14 days in China, starting from 14 to 27 September, 2017. The seminar will cover important topics and introduce experience and expertise on small hydropower technology and the rural electrification development in China, including <i>General Survey on Rural Electrification based on SHP development in China, SHP Developing Modes, SHP Equipment in China, SHP Norms in China, Comparison of Rural Electrification Modes, SCADA System, Refurbishment of SHP Stations, Hybrid Power Generation System</i>, and some other special topics, such as <i>China in brief, China’s foreign aid</i>, etc. The seminar also integrates classroom presentations with field survey/study tours which include the sites of different small hydropower plants, the equipment manufacturers of hydropower, China’s rural communities and the cascade development small hydropower plants. In addition, in order to help the participants enriching their spare-time life and understand Chinese national conditions, profound culture and its long history, the sightseeing in the picturesque city Hangzhou, the modern city Shanghai, as well as the culture activities to experience Taiji and tea art will be arranged.</p> <p>Through presentations, discussions and field survey/study tours, the participants will have a relatively full understanding of China, and they will be well informed of the rural electrification based on small hydropower technology in China, including the development course, policies, proven technologies and equipments. Based on the seminar, the friendship and exchange will be strengthened and the participants are supposed to improve the capability for making more contribution to their homeland in the field of small hydropower and rural community development. The seminar aims at laying a good foundation for further enhancement of cooperation in small hydropower and rural electrification among China and ASEAN countries.</p> <p>During the seminar, HRC will hold a forum on cooperation in the field of small</p>

	<p>hydropower and rural electrification. All the participants will be kindly asked to introduce the exploitation of small hydropower and rural electrification in their home countries, and the presentation should cover the following contents: <i>Overview of the country (e.g. geography, climate, population, economy etc.); General condition of energy and power of the country (e.g. energy structure, rural electrification ratio, energy organization, energy development strategy, etc.); Condition of rural electrification based on small hydropower and other renewable energy(SHP/solar energy/wind power); Potential projects of SHP and Difficulties and barriers in development of rural electrification.</i> The participants are expected to prepare the related document/country report before coming to China.</p>
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