Seminar on Energy Transition Under South-South Cooperation

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<tr><td>Name</td><td colspan="3">Seminar on Energy Transition Under South-South Cooperation</td></tr>
<tr><td>Organizer</td><td colspan="3">National Research Institute for Rural Electrification (NRIRE), Ministry of Water Resources</td></tr>
<tr><td>Time</td><td>November 9- November 29, 2022</td><td>Language</td><td>English</td></tr>
<tr><td>Invited Countries</td><td>Developing Countries</td><td>Number of Participants</td><td>30</td></tr>
<tr><td>Training Objectives</td><td colspan="3">This seminar aims to share the successful experience and practical technology of China in energy transition, addressing climate change and low carbon emission with developing countries. Meanwhile, the seminar will provide a platform for exchanges and cooperation between China and other developing countries in the fields of energy transition. In addition, the seminar serves to strengthen mutual friendship and promote common development.</td></tr>
<tr><td rowspan="3">Requirements for the Participants</td><td>Professional background</td><td colspan="2">——Professional background: energy and related aspects
——Employment background: Officials or experts engaged in water conservancy, water resources management, small hydropower and other related fields from governments, enterprises, colleges, etc.</td></tr>
<tr><td>Language</td><td colspan="2">Fluency in listening, speaking, reading and writing in English</td></tr>
<tr><td>Others</td><td colspan="2">Able to complete the seminar via ZOOM platform</td></tr>
<tr><td>Training Content Introduction</td><td colspan="3">1. Main Online Presentations
(1) China in brief
(2) International cooperation on fighting Covid-19
(3) China’s energy transition and greenhouse gas emission reductions
(4) Theory and practice of China’s ecological civilization construction
(5) Energy strategy and renewable energy development
(6) Demonstration of China's low-carbon development
(7) China's strategy and policy system for addressing climate change
(8) Progress and practice of addressing climate change in China
(9) Design of pumped storage power station
(10) Green development planning for small and medium-sized hydropower
(11) Technology and application of biomass power generation
(12) Wind power technology and application
(13) Solar energy technology and application
(14) Application of off-grid and distributed hybrid power generation system
(15) Carbon peaking and carbon neutrality goals- the responsibility and contribution of water conservancy
(16) The role of hydropower in carbon peaking and carbon neutrality
(17) China's investment and financing policy and overseas practice
2. Discussion and Exchange</td></tr>
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	(1) Discuss and exchange energy transition and addressing climate change in developing countries. (2) Discuss and exchange the development of renewable energy in developing countries. (3) Discuss and exchange the situation of low-carbon economy and sustainable development. (4) Combining with the video "Green Development of Yucun Village", discuss and exchange the green development path in rural China. (5) Discuss and Exchange hydropower development plans for developing countries. (6) Discuss and Exchange carbon reduction policies and plans in developing countries (7) Discuss and exchange the hybrid power generation systems and their applications in developing countries (8) Discuss and exchange the international cooperation in the field of energy transition among developing countries. (9) Summarize and exchange information on the development of the training course and the effect of the training. **3. Online Technical Visit** (1) Online visit to Anji Yucun Village to learn about China's new rural construction and development, China's rural green development model, etc. (2) Online visit to Tianhuangping Pumped-Storage Hydropower Plant to learn about the pumped storage hydropower development; (3) Online visit to Hybrid Power Generation Lab to learn about the hybrid power generation technology and its application. **4. Online Cultural Experience** Learn some daily used Chinese languages and experience Chinese culture via video sharing **5. Introduction to Presenters** (1) Mr. XU Feng: Doctor of Medicine, director of International Cooperation and Exchange Office of Xiyuan Hospital of China Academy of Chinese Medical Sciences. He is also an executive director of the Chinese Medicine Culture Professional Committee of the World Federation of Chinese Medicine Societies. He has published more than ten academic papers and two books in the fields of Chinese medicine; (2) Mr. XU Jincai: Director of National Research Institute for Rural Electrification / HRC, Ministry of Water Resources, National Registered Consulting Engineer, and Director of Hydropower Generation Committee of China Water Conservancy Society. Engaged in research and application of renewable energy and rural hydropower for many years, responsible for completing more than 20 national and provincial-level projects, and teaching for students from more than 100 countries in more than 30 international training courses; (3) Mr. Huang Jianping, Deputy Director of National Research Institute for Rural Electrification, Ministry of Water Resources / HRC. He has about 30 years' experience on SHP and water conservation, and has provided consultation for more than 50 projects both at home and abroad. He has abundant experience in river basin planning, feasibility study,

	site selection, primary design, bidding, detailed construction design and site construction supervision.; (4) Mr. Li Zhiwu, Chief Engineer of Zhejiang Zhongzhou Planning & Design Co., Ltd. for Water Conservancy and Hydropower, National Research Institute for Rural Electrification, Ministry of Water Resources / HRC. He has been engaged in 22 key projects of provincial and national levels as the leader or the main participant. As the chief design engineer, he presided over the design of the first medium-sized pumped storage power station in China. He has rich experience in SHP technology export, economic & trade cooperation. ; (5) Mr. LIN Ning: He used to be the manager of international training program for small hydropower in TCDC, responsible for international training, foreign affairs project management, small hydropower policy research, etc. He is currently the director of rural new energy research and has organized and participated in more than 30 foreign aid training programs, with thousands of officials and engineers and technicians from more than 100 countries participating in the training. (6) Mr. MENG Ke: Senior engineer of National Research Institute for Rural Electrification / HRC, who has been engaged in international cooperation of clean energy projects for a long time, and has rich experience in the development, construction, commissioning and management of clean energy projects such as hydropower, wind power and photovoltaic cells. **6. Materials needed** To facilitate communication and exchange, the participants are required to prepare materials related to the seminar which include: brief introduction to participants and their employers, status and challenges of energy transition of participants' countries, international cooperation between participants' countries and China in the related fields, etc.
Notes	1. The seminar will be held online which requires participants to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc. 2. Attendance of the seminar is one of our important criteria for receiving the Certificate. 3. Participants should enter the virtual seminar room in advance and set their screen name as "NAME + COUNTRY" identical to the passport information. 4. Participants should keep the confidentiality and security of the information and data concerning the seminar. Seminar materials will be shared to participants afterwards, which shall not be posted via social media.
About the Organizer	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. Over 40 years' development, HRC has fostered a team of rich experience and diverse educational backgrounds, and the team members are comprised of professor-level engineers, doctors and masters in different energy fields. HRC is also awarded as "International Cooperation Base for Renewable Energy and Rural Electrification of Zhejiang Province" by the local government, "International Training Base for Green Hydropower" by Ministry of Water Resources, "Family of SHP in the

	World" by the international community, and "Model of South-South Cooperation" by Ministry of Commerce of China. In the past 40 years since HRC's establishment, entrusted by Ministry of Water Resources, Ministry of Commerce, Ministry of Science and Technology, Ministry of Foreign Affairs, UNDP, UNIDO, ILO, FAO, ASEAN Secretariat, etc., HRC has successfully organized both at home and abroad in total 135 seminars, training courses and workshops covering the subjects of clean energy, rural electrification, water management, small hydropower, and etc., which have embraced about 4000 participants both at managerial and technical levels from some 123 countries. In 2021, HRC successfully held 9 online seminars with the attendance of 845 participants. All the seminars were highly appraised by the officials and experts attending the event. For more details, please visit HRC website: http://www.hrcshp.org.
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