

## **HRC's Annual Report for 2024 and Work Plan for 2025**

In 2024, Hangzhou Regional Center (Asia-Pacific) for Small Hydro Power (briefed as HRC) earnestly studied and implemented Xi Jinping Thought on Socialism with Chinese Characteristics for the New Era and the spirit of the 20<sup>th</sup> National Congress of the Communist Party of China (CPC) and the third plenary session of the 20<sup>th</sup> Central Committee of the CPC and actively put into practice President Xi Jinping's water governance concepts of "prioritizing water conservation, balancing spatial distribution, taking systematic approaches and promoting government-market synergy". Under the guidance and support of the Ministry of Water Resources, China International Development Cooperation Agency, and the Ministry of Commerce and guided by Xi Jinping Thought on Diplomacy, HRC focused on the Belt and Road Initiative and its own "14<sup>th</sup> Five-Year Plan" for development, set up clear goals and work path, and strengthened international exchanges and cooperation, achieving remarkable results in all aspects of its work.

### **I. Innovative Implementation of Training Programs**

Entrusted by China International Development Cooperation Agency and the Ministry of Commerce, HRC has actively conducted 13 technical training programs for developing countries, and a total of 363 participants from 41 countries in Asia, Africa, Latin America,

and Oceania attended those programs, including government officials and technical experts in the fields of water conservancy,



Unveiling of China-aid Training Base for Water Conservancy and Hydropower

energy, sustainable development, etc. This year marks a critical phase in full resumption of offline training programs. Not only has HRC continued the positive

development trend of offline training programs, but it has also successfully resumed one overseas training program, i.e. “Training Course on Small Hydropower Technologies in Cuba”, which aligns with the spirit of the discussions between the China International Development Cooperation Agency and the relevant ministries of Cuba. The program has provided strong support for capacity building in related fields in Cuba and further expanded the reach of HRC’s overseas training destinations. In addition, HRC has actively diversified the forms and content of training programs. Three international training bases for water conservancy and hydropower were established respectively with the People’s Government of Anji County, Zhejiang Province, the Department of Water Resources of Guangxi Zhuang Autonomous Region, and the Department of Water Resources of Jiangxi Province.



Reunion of Former Participants in Indonesia

The special report on “China’s Water Governance Philosophy and Practices” has been introduced into these training programs. Furthermore, HRC invited participants to take part

in major international water events, such as the 10<sup>th</sup> Hydropower for Today Forum, the 3<sup>rd</sup> Asia International Water Week, the 2024 Qingdao International Water Conference & Expo, the Taihu International Conference on Water Management, etc. HRC also organized the China-Uruguay Water Seminar



Presentation on China’s Water Governance Philosophy and Practices

under the guidance of the Ministry of Water Resources to facilitate bilateral exchanges. Besides, HRC organized reunions of former seminar participants in Jakarta, and Havana to follow up and reconnect with former participants.

Through vigorous efforts in conducting international training programs, HRC has maintained close communication and exchanges with numerous developing countries. This has continuously broadened our communication channels, strengthened friendships,

and built mutual trust, laying a solid foundation for future bilateral or multilateral international cooperation.

List of Training Programs in 2024					
No.	Name of Programs	Duration	Number of Participating Countries	Number of Participants	Training Language
1	Seminar on Electrification Mode based on Clean Energy for Belt and Road Countries	15 <sup>th</sup> -28 <sup>th</sup> , May / 14 Days	8	21	English
2	Seminar on Financial Support on Green Development of Small Hydropower for Zambia	25 <sup>th</sup> -8 <sup>th</sup> , July / 14 Days	1	28	English
3	Seminar on Water Resource Management and Ecological Development of Small Hydropower Stations for Uruguay	17 <sup>th</sup> -30 <sup>th</sup> , July / 14 Days	1	27	Spanish
4	Seminar on Water Resource Development and Water Environment Management for Latin America and the Caribbean	17 <sup>th</sup> -30 <sup>th</sup> , July / 14 Days	5	24	Spanish
5	Seminar on Hydropower Plant Management and Operation for Spanish-Speaking Countries	14 <sup>th</sup> -27 <sup>th</sup> , August / 14 Days	5	20	Spanish
6	Seminar on Integrated Water Resources Management for Mekong Countries	14 <sup>th</sup> -27 <sup>th</sup> , September / 14 Days	6	32	English
7	Seminar on Water Resources Management and Development of Ecological Small Hydropower for Belt and Road Countries	17 <sup>th</sup> -30 <sup>th</sup> , September / 14 Days	11	35	English
8	Seminar on Dam Safety Management for Belt and Road Countries	17 <sup>th</sup> -30 <sup>th</sup> , September / 14 Days	8	30	English
9	Training Course on Small Hydropower Technologies in Cuba	13 <sup>th</sup> -2 <sup>nd</sup> , November / 21 Days	1	44	Spanish
10	Seminar on Development of Small Hydropower Standards for	16 <sup>th</sup> -29 <sup>th</sup> , October / 14	6	35	English

	Belt and Road Countries	Day			
11	Seminar on Green Transformation and Modernization and Upgrading of Small Hydropower for African English-speaking Countries	19 <sup>th</sup> -1 <sup>st</sup> , November / 14 Days	3	16	English
12	Training Course on Water Ecosystems Protection and Restoration Technologies for Developing Countries	6 <sup>th</sup> -26 <sup>th</sup> , November / 21 Days	10	34	English
13	Capacity-Building Seminar for Staff of Water Departments in Uzbekistan	20 <sup>th</sup> -29 <sup>th</sup> , November / 10 Days	1	17	Russian

## II. Extensive International Exchanges and Elevated International Influence

In 2024, HRC actively organized and participated in various conferences, including the 10<sup>th</sup> World Water Forum, the 6<sup>th</sup> United Nations Environment Assembly, the 10<sup>th</sup> Hydropower for Today Forum, the 2024 Qingdao International Water Conference & Expo (Global Platform For Water Solutions), the ASEAN Renewable Energy Week, the 3<sup>rd</sup> Asia International Water



Participation of 3<sup>rd</sup> Asia International Water Week

Week, and Taihu International Conference on Water Management, providing support for the international exchanges of related activities. Furthermore, under the auspices of the China-UNDP

Partnership on Water Resource Management, Seminar on Key Technologies for the Sustainable Supply and Regulation of Water Resources in Reservoir Water-Sourced Areas for Ecological, Production, and Livelihood Needs was held by HRC to enhance international exchanges on the topic. By organizing international seminars and side events, delivering keynote speeches, participating in panel discussions, and releasing collaborative achievements, HRC extensively promoted development concepts, practices, and accomplishments in the fields of small hydropower and rural electrification, thereby continuously elevating its international influence.

### **III. Comprehensive International Water Conservancy Cooperation and Fruitful Results of Multilateral and Bilateral Exchanges**

Under the witness of Li Guoying, Minister of Water Resources of



Signed MOU with the ASEAN Center for Energy

China, Basuki Hadimuljono, Minister of Public Works and Housing of Indonesia, Loïc Fauchon, President of the World Water Council, and Zhang Zhisheng, Consul



General of the People's Republic of China in Denpasar, Indonesia, HRC signed a Memorandum of Understanding (MoU) with the ASEAN Center for Energy. HRC chief in international cooperation and training was dispatched to ASEAN Center for Energy for a one-year study visit and representatives from ASEAN countries were invited to China for technical training and exchanges, jointly planning



Launch of the Youth Innovation and Technology Cooperation Initiative on Water

subsequent technical cooperation and capacity-building projects. Connections and exchanges were established with international water youth organizations such as the World Water Council Youth Group, the International Water Youth Network, and the World Youth Parliament for Water. Besides, HRC hosted special events for international water youth and jointly initiated the *Youth Innovation and Technology Cooperation Initiative on Water*, which was incorporated into the specific outcomes and action plans of the 10<sup>th</sup> World Water Forum. Besides, HRC implemented the China-UNDP Partnership on Water Resource Management, developed training courses for sustainable development and protection of reservoir-type water sources, successfully held the Seminar on Key Technologies

for the Sustainable Supply and Regulation of Water Resources in Reservoir Water-Sourced Areas for Ecological, Production, and Livelihood Needs, and conducted public ecological education training activities such as the Tianmu Forest Protection. HRC also implemented the Perez-Guerrero Trust Fund project-Development and Application of Photovoltaic Pumping Irrigation Technology in ASEAN Countries and organized workshops on renewable energy technology development and application in ASEAN countries. Applications were submitted for the 2025 Perez-Guerrero Trust Fund project-Capacity Building for Pumped Storage Hydropower in Southeast Asian Countries, and the Asia Cooperation Fund project-Demonstration and Application of Photovoltaic Pumping Irrigation Technology in Lancang-Mekong Countries. Additionally, HRC participated in executing the China-ASEAN Maritime Cooperation Fund project-Solar Wind Complementary Energy-saving Seawater Desalination Demonstration Project.

An MoU was signed with Mechanical and Electrical Institute, National Water Research Center of Egypt, Ministry of Water Resources and Irrigation, jointly applying for intergovernmental water cooperation projects between China and Egypt. Assistance was provided to the Nanjing Hydraulic Research Institute for signing MoUs with National Institute of Rural Engineering and Water and



Forests under the Ministry of Agriculture, Water Resources and Fisheries of Tunisia, Directorate General of Water Resources under the Ministry of Public Works and Housing of Indonesia, and Institute of Water Resources Planning of Vietnam, formulating cooperation plans, identifying priority cooperation areas, and applying for



China-Uruguay Water Exchange Meeting

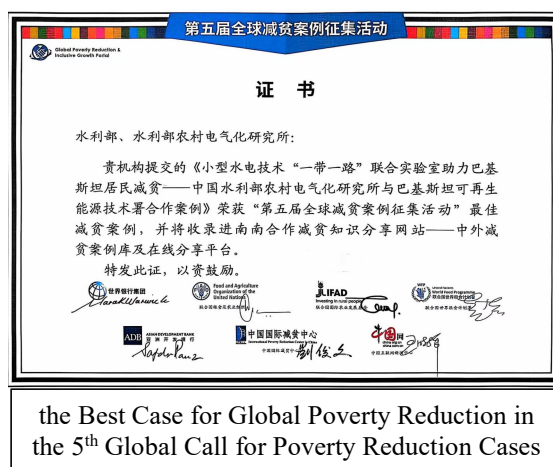
international science and technology cooperation projects such as the China-Tunisia Joint Laboratory for Water Security.

In addition, HRC further strengthened exchanges with water and energy departments of countries including Bangladesh, Uzbekistan, Tajikistan, Myanmar, etc., to promote international exchanges and cooperation, and to reserve corresponding international scientific cooperation projects. Moreover, entrusted by the Department of International Cooperation, Science and Technology of the Ministry of Water Resources, HRC hosted the China-Uruguay Water Seminar and the China-Tunisia Water Technology Video Exchange Meeting, coordinating bilateral technical exchanges and discussions with relevant departments in China. HRC received a delegation from the Ministry of Public Works and Housing of Indonesia for exchange visits and research in

China, and facilitated cooperation on water infrastructure projects.

#### **IV. Strengthening the Construction of International Cooperation Platforms and Promoting the Steady Operation of the Belt and Road Joint Laboratories**

HRC has coordinated the development of the China-Pakistan Belt and Road Joint Laboratory on Small Hydropower Technology, International Sci-tech Cooperation Base for Renewable Energy and Rural Electrification in Zhejiang, and International Human Resources Training Base for Green Hydropower of the Ministry of Water Resources. In this process, HRC has formulated the development plans and annual implementation plans for these joint laboratories and bases, and has also been responsible for summarizing the work progress and reporting on the



achievements of these platforms. Moreover, HRC has successfully completed the acceptance of the China-Pakistan Joint Research on SHP Technology project and submitted the case titled “The Belt and Road Joint Laboratory on Small Hydropower Technology Assisting Poverty Alleviation for Residents in Pakistan”, which was awarded

the Best Case for Global Poverty Reduction in the 5<sup>th</sup> Global Call for Poverty Reduction Cases. Furthermore, HRC has maintained close communication and coordination with the Chinese Embassy in Pakistan and the Pakistani Embassy in China. In line with the Memorandum of Understanding (MoU) between the Ministry of Science and Technology of the People's Republic of China and the Ministry of Science and Technology of the Islamic Republic of Pakistan on Joint Support for the Construction of Joint Laboratories signed by the Prime Ministers of China and Pakistan, HRC has invited representatives from the Pakistani partner to participate in international conferences in China and to conduct technical exchanges. As a result, HRC has successfully established the physical entities and demonstration stations of the Belt and Road joint laboratories, thereby promoting its steady operation and upgrading of the joint laboratories.

## **V. Standardizing Foreign Affairs Management and Improving Service Quality**

In accordance with the latest policy requirements for foreign affairs and the instructions of the Ministry of Water Resources, HRC has properly arranged the 2024 annual plan for overseas business trips, optimized the application process and the management for the

groups travelling abroad, meticulously managed the invitation and reception of foreign guests, ensuring the smooth implementation of missions abroad, thereby further improving the service level of foreign affairs in the water sector. Throughout the year of 2024, HRC received 6 foreign guests in two groups respectively from Pakistan and Indonesia. Additionally, HRC organized 18 people in 5 groups to go abroad for official missions in the Philippines, Turkey, Indonesia, and Cuba, to participate in the 10<sup>th</sup> World Water Forum, implement the technical training program of the Ministry of Commerce-Training Course on Small Hydropower Technology in Cuba and the Perez-Guerrero Trust Fund project-Development and Application of Solar Pumping Irrigation Technology for the Countries of ASEAN, organize the Seminar on Development and Application of Renewable Energy Technology for ASEAN Countries, conduct field exploration and technical exchange of solar power storage project in the Philippines, and carry out technical cooperation on operation and maintenance of hydropower projects in Turkey, etc.

## **VI. Continuous Expansion of Overseas Market**

Based on the international activities, HRC has followed up on a series of key projects. HRC has completed the preliminary design

for the hydropower project in the Philippines and completed the solar power supply system, solar water pumping system and solar system in Cambodia. HRC has also provided a solar storage micro-grid power supply system in Peru, conducted on-site maintenance of power stations and supply of spare parts in Turkey



Demonstration project on  
off-grid solar-power system  
Cambodia

and optimized the design of the tailrace channel for the hydropower station expansion project in Pakistan. Additionally, HRC has signed the contract of ground-mounted solar power project in the Philippines and won the bid for the equipment supply of the hydropower station in Pakistan. Furthermore, HRC followed up the design, technical consultation, and equipment supply of hydropower stations in Rwanda, Vietnam, Malaysia, and the Democratic Republic of the Congo. Through these efforts, HRC has provided substantial overseas water conservancy technical services, thereby effectively promoting international cooperation in industrial capacity of water sector. .

## **VII. Strengthened International Publicity and Elevated International Communication Capacity**

Channels including the official website of Ministry of Water



Publicity via China Water Resources News

Resources, China Water Resources News, China South-South Cooperation Network WeChat Official Account, etc., were utilized to publicize HRC's exemplary case study from the fifth call of the Global Solicitation on Best Poverty Reduction Practices, i.e., China-Pakistan “Belt and Road” Joint Laboratory on Small

Hydropower Technology. Other media channels including China Water Resources News, China South-South Network, Foreign Languages Press, Official Website of the 10<sup>th</sup> World Water Forum, etc., were also utilized to broadcast HRC's engagement in the 10<sup>th</sup> World Water Forum, the 10<sup>th</sup> Hydropower for Today Forum, etc. In conjunction with major diplomatic events such as the 2024 Summit of Forum on China-Africa Cooperation and the 3<sup>rd</sup> Asia International Water Week, HRC's efforts in organizing international training programs and construction of international training bases were also reported via the above-mentioned media channels. Through a comprehensive, multi-dimensional, and cross-domain emerging internet media communication matrix, we continuously expand the publicity impact. HRC has extensively publicized the framework of

China's water conservancy technical standard system and the experience in formulating and revising standards. HRC has also carried out the standard implementation supervision project "Implementation, Comparison and Application Analysis of Water Conservancy Technical Standards of Belt and Road Countries". Besides, HRC took an active part in the preparation and technical work for the second plenary meeting of the International Organization for Standardization's Technical Committee for Small Hydropower (ISO/TC339), as well as the compilation of the first international standard "Technical Guidelines for Small Hydropower-Part 1: Terminology" of TC 339, promoting standard interconnectivity on an international basis. We revised and translated the new version of HRC Brochure, released important HRC news in Chinese and foreign languages on HRC's official website. We contributed to the Zhejiang Provincial Foreign Affairs Yearbook, and organized HRC's former training participants to record New Year greeting videos and released them on HRC's official WeChat account.

## **VIII. Quality Services in Facilitating China's Water Conservancy Cause "Going Global"**

HRC facilitated the participation of the Chinese water delegation in



in the 10<sup>th</sup> World Water Forum and dispatched personnel to engage in the consultations on water-related proposals at the 6<sup>th</sup> United Nations Environment Assembly. HRC co-hosted with the Lancang-Mekong Water Resources Cooperation Center the “Lancang-Mekong River Basin Water Governance and Protection Seminar” at the 3<sup>rd</sup> Asia International Water Week, co-organized the 10<sup>th</sup> Hydropower for Today Forum and the side event “International Seminar on



Water Investment and Financing” at the 2024 Qingdao International Water Conference, making significant contributions to the success of international water-related events. HRC training course participants were invited to actively engage in various international water-related activities to expand the international influence of China’s water resources sector. During these events, 14 participants from countries including Indonesia, Cambodia, Laos, Myanmar, Thailand, Vietnam, and Zambia delivered speeches, presented thematic reports, and participated in roundtable discussions at various conferences.



Seminar on Financial Support on Green Development of Small Hydropower for Zambia

HRC organized the China-Tunisia Water Technology Video Exchange Meeting and the China-Uruguay Water Seminar, and participated in the preparation of the signing

ceremony of the China-Indonesia bilateral agreement on water conservancy, the preparation of the visit to Indonesia by the Minister of Water Resources, and the reception of the visit in China by the delegation headed by the Indonesian Minister of Public Works and Housing. As the China-Zambia relationship marks the 60<sup>th</sup> year, HRC organized the Seminar on Financial Support on Green Development of Small Hydropower for Zambia. Following the establishment of diplomatic relations between China and Honduras

in 2023, HRC provided technical training on water resources and power for 6 Honduran participants from National Electric Power Company and other organizations. In order to follow up the conference



Cooperation exchange with Unión Eléctrica de Cuba (UEC)

between China International Development Cooperation Agency and

relevant Cuban ministries, HRC successfully completed the Seminar on Small Hydropower Technology in Cuba, laying a solid foundation for further China-Cuba cooperation on clean energy and small hydropower projects. .

### **VIII. Work Plan for 2025**

The year 2025 is the final year of the national 14<sup>th</sup> Five-Year Plan, and also a crucial year for laying a solid foundation for the good start of the 15<sup>th</sup> Five-Year Plan. In 2025, HRC will remain guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era and Xi Jinping Thought on Diplomacy, continue to thoroughly study and implement the spirit of the 20<sup>th</sup> National Congress of CPC and the third plenary session of the 20<sup>th</sup> Central Committee of CPC, proactively align with major national strategies and help promote the international mainstreaming of water governance concept proposed by President Xi Jinping of “prioritizing water conservation, balancing spatial distribution, taking systematic approaches and promoting government-market synergy”, contributing to the implementation of Global Development Initiative and the realization of the United Nations 2030 Agenda for Sustainable Development.

#### **1. To strengthen awareness of service and improve the level of**

## **foreign affairs management**

Firstly, HRC will implement the management requirements of the official overseas delegations, including planning, administration, pre-departure education, passport and visa management, and follow-up with delegation members. HRC will improve the mechanism and workflow for managing foreign affairs, and further standardize the invitations and receptions of foreign guests and the management of foreign affairs activities in China. HRC will improve the liaison mechanism for international cooperation and training partners, promoting the standardization, normalization, and systematic management of foreign affairs. Secondly, HRC will provide comprehensive and high-quality support for leadership visits abroad, ensuring the smooth progress of all activities. We will focus on precise communication, coordination and service, offering solid support for deepening multilateral and bilateral cooperation in water conservancy and effectively advancing the implementation of international cooperation projects.

## **2. To optimize the training organization and improve the effectiveness and influence of training programs**

HRC will continue to implement the work arrangements of the China International Development Cooperation Agency and the Ministry of Commerce, carefully plan and organize the training,

optimize the training work mechanism, improve training workflows, and implement standardized management to comprehensively ensure the standardized and efficient implementation of the training work. HRC will strengthen the construction and maintenance of training facilities, secure the safety bottom line of training, improve emergency plans for unexpected events, and ensure the safe and smooth implementation of projects. HRC will organize various activities in combination with training programs, strengthen the coordination and interaction with training bases, co-organizers, international organizations and conferences, and fully leverage the resource advantages of all parties to enhance brand building for training programs. At the same time, we will strengthen the publicity of the training effect at home and abroad, improve the regular contact mechanism for participants, conduct the follow-up visits to our former participants, give full play to the personal connections and consolidate the international “circle of friends”. By magnifying the spillover effect of international training, we will promote the extensive cooperation with developing countries in the field of water conservancy, contributing to serving the national diplomacy, deeply integrating into the joint construction of the Belt and Road Initiative and implementing the Global Development Initiative.

**3. To strengthen the construction of the international cooperation platform and promote multilateral and bilateral**

## **exchanges and cooperation**

HRC will continue to give play to the role of the international cooperation platform and strengthen exchanges and cooperation with relevant domestic and foreign entities. And we will organize and actively participate in important international water-related events. Based on the completion of the first-phase construction tasks, we will continue to advance joint research, technology transfer, demonstration and promotion, and talent cultivation in the China-Pakistan Joint Laboratory, seek support for high-quality and high-level new projects, as well as strong and cohesive new partners, expand the radiation influence of the joint laboratory in South Asian regions, give full play to the platform effect, and implement the outcome document of the Third Belt and Road Forum for International Cooperation and the Memorandum of Understanding between the Ministry of Science and Technology of Pakistan and the Ministry of Science and Technology of China on Jointly Support for the Construction of the Joint Laboratory.

### **4. To continue international scientific and technological cooperation and expand diverse cooperation paths**

HRC will further enhance exchanges and cooperation with international organizations such as the United Nations Development Programme (UNDP), the United Nations Industrial Development Organization (UNIDO), the United Nations International Children's

Emergency Fund (UNICEF), and the ASEAN Centre for Energy (ACE) and effectively implement projects such as the China-UNDP Partnership on Water Resource Management project, the Perez-Guerrero Trust Fund for South-South Cooperation project, and the Asia Cooperation Fund Project. We will strengthen the follow-up of the international cooperation projects and make full use of project channels based on signed cooperation MOU and priority cooperation areas to apply for project funding support. Under the framework of the cooperation MOU, we will continue to implement “small yet smart” cooperation projects in the Lancang-Mekong, ASEAN, South Asia, Africa, and Latin American regions, and actively expand cooperation and exchanges with Central Asia and Saudi Arabia.

#### **5. To enhance communication effectiveness to better tell China's water governance story**

HRC will enhance the publicity of international cooperation and training, summarize the achievements of external cooperation, explore the features and highlights of the cooperation, optimize publicity methods, and strive for new breakthroughs in communication effectiveness. We will fully utilize HRC English website, domestic and international media and foreign social media platforms to carry out publicity work. With the strength of international cooperation partners, we will try our best to tell the story of China's water governance, promote China's advanced water



management concepts, technologies, and experiences, advance the internationalization of standards, and continuously improve international influence.

**6. To cultivate a team of inter-disciplinary foreign affairs talents through multiple approaches**

We are committed to cultivating a team of inter-disciplinary foreign affairs talents and promoting the team building. We will regularly provide training to our staff, jointly organize international activities with partners, actively dispatch personnel to attend various domestic and international conferences and competitions, balance the stability and openness of the foreign affairs talent team, strengthen team cohesion, and enhance their capabilities.