

## China-Cambodia-UNICEF Cooperation Project on Climate-Resilient Water, Sanitation and Hygiene (WASH)

Section 1: General Information	
Summary	<p>The project aims to provide technical assistance from China to Cambodia on piloting and up-scaling innovative technologies and service delivery models on Climate-Resilient WASH to benefit children and vulnerable populations, through approaches to:</p> <ul style="list-style-type: none"> <li>- Explore innovative approaches to climate adaptation in WASH Sector. Considering the challenges posed by climate change to both water quantity and quality, the SSC will look at identifying and applying innovative technologies and approaches to promote safely managed and climate resilient water and sanitation services, with specific focus in promoting water conservation, water quality and 3Rs principles (reduce, Reuse and Recycle) for sanitation and Fecal Sludge Management (FSM).</li> <li>- Test innovative approaches to climate mitigation in WASH Sector. Utilize environmental methods such as solar power and gravity flow to provide power for key water supply equipment and sanitation systems, thereby reducing greenhouse gas emissions associated with power from other energy sources.</li> <li>- Ensure child-friendliness and inclusiveness features of WASH services. Support specific interventions to address needs of students in schools and improving services in health facilities with particular consideration for people with reduce mobility and disabilities.</li> <li>- Test digitized models in WASH sector to ensure Climate-resilient operation and maintenance. Support the uptake of digital systems to remotely control water production, treatment as well as devices and protocols to support sanitation emissions surveillance, data monitoring and education function for children and other users. Further, the SSC will also look at the information construction plan, identify key parameters and data information for system management, establish the information system framework, and support improve the initialization level of WASH in Cambodia.</li> <li>- Enhance climate-related emergency WASH capacity and services. To cope with water-scarcity related emergency, the SSC will aim at equipping the local government and water management personnel with emergency measures to guarantee drinking water supply for residents. As part of the SSC, an emergency water supply plan should be developed and put into place in collaboration with the management unit of the water supply systems.</li> </ul>
Proponent Name(s)	Proponent: LMC Water Center Partners: other institutions of MWR, Ministry of Agriculture and Rural Affairs of China, Cambodian government (MISTI, MPWT, MRD); UNICEF Cambodia, UNICEF China

Proponent Type	National Governments
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Region	Asia Pacific

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme		
Actions and Outcomes	<p>1. Climate-resilient WASH technologies identified and piloted in three public facilities and 600 community households</p> <ul style="list-style-type: none"> <li>- One centralized water supply projects piloted for rural households</li> <li>- Pilot climate-resilient water technology models in two pilot schools</li> <li>- Modelling of climate-resilient sanitation in one pilot school and one maternal health care facility</li> <li>- Support development of a digitized water supply system construction plan</li> <li>- Preparation of an emergency water supply plan</li> </ul> <p>2. Capacity Building through Twinning of Chinese and Cambodia firms</p> <ul style="list-style-type: none"> <li>- Mapping and capacity building of Cambodian water operators to transform sectoral performance by twinning of Chinese and Cambodia water operators (funded by a Chinese firm)</li> </ul> <p>3. Fecal sludge management</p> <ul style="list-style-type: none"> <li>- Development of affordable, nature -based approaches and low maintenance off-site and on-site systems to safely contain and treat fecal sludge in rural areas in Cambodia to be piloted in selected households in 2 provinces</li> </ul> <p>4. Documentation of lessons learned and recommendations for scale up</p> <ul style="list-style-type: none"> <li>- Recommendations to inform Cambodian and Chinese governments for replication and scaling up</li> </ul>	
Implementation Period	Start Period	1/1/2025
	End Period	12/31/2027
Financial Commitment	Proposed funding support for piloting stage amounting to around US\$550 from China's LMC Fund, related Chinese companies, UNICEF and other related partners, and additional funds to be mobilized from related partners for scaling up.	