

Sector	WATER RESOURCES
Subsector	Domestic water supply
Technology name	Household Water Treatment and Safe Storageⁱ
Scale	Small/medium
Availability	Short Term, Medium Term
Technology to be included in prioritisation	<ul style="list-style-type: none"> - Assessing technologies through multi criteria analysis (based on TNA team assumption through assessment criteria, and TNA Tool).
Background/notes	<ul style="list-style-type: none"> - Rural water supply for domestic need, primary health care and rural sanitation, community development, and development of rural economy; - Developing drinking water supply for rural households; - Improvement of accessibility to safe-drinking water and sanitation in particular in rural communities residing in water-scarce areas as well as water to be used in households and for irrigation purposes (NSDP Update, 2009-2013); - In addition, NAPA has identified and prioritized many water related projects in specific locations (SNC-V&A Assessment, 2010).
Implementation assumptions	<ul style="list-style-type: none"> - The attempt here is to support the implementation of NAPA water infrastructure related projects; - Construct, repair and maintain all types of existing wells; provide ponds; and produce jumbo cement water jars in order to provide safe drinking water and water for household use as well as build small-scale irrigation system.
Impact Statements (how this option impacts the country development priorities)	
Country social development priorities	<ul style="list-style-type: none"> - Cambodia has identified development priorities as part of NAPAs, NSDP Update 2009-2013, Poverty Reduction Strategy, Policies, National Communications (INC and SNC) to the UNFCCC; - The Royal Government has established water user communities with increasing participation from farmers; - The Royal Government of the Fourth Legislature will continue to accord priority to the rehabilitation, construction, maintenance and efficient management of water reservoirs, canals, pipes, drainages and water pumping (NSDP Update 2009-2013).
Country development priorities	<ul style="list-style-type: none"> - Developing drinking water supply and sanitation expansion projects for poor communities; - Examining the drinking water production costs set by public water works except for the autonomous agencies.
Country environmental development priorities	<ul style="list-style-type: none"> - Strengthening environmental protection and sanitation to preserve unpolluted water and clean environment; - Avoiding polluting water resources in order to protect

	ecosystems
Other consideration and priorities such as market potential	- Improving quality, business efficiency, and governance of water works
Costs (US\$)	
Capital costs over 10 years	N/a
Operational costs over 10 years	N/a
Other costs over 10 years	N/a

ⁱ **This fact sheet has been extracted from TNA Report – Kingdom of Cambodia - Technology needs assessment and technology action plans for climate change adaptation. You can access the complete report from the TNA project website <http://tech-action.org/>**