

Sector	WATER RESOURCES
Subsector	Water Supply for Agriculture
Technology name	Community Irrigation Systems ⁱ
Scale	Small/medium
Availability	Short Term, Medium and Long 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"> - The Royal Government priority to the rehabilitation, construction, maintenance and efficient management of irrigation infrastructure, water reservoirs, canals, pipes, drainages to increase irrigated areas and boost agricultural production (NSDP Update, 2009-2013); - In addition, NAPA has identified and prioritized many water related projects with location specific (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; - Build small-scale irrigation system; - Prioritise the rehabilitation and construction of irrigation system and drainage system in the areas where the poor reside; - Farmers, stakeholders, and private sector involved in irrigation and drainage system development
Impact Statements (how this option impacts the country development priorities)	
Country social development priorities	<ul style="list-style-type: none"> - Cambodia has been identifying 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 priority to water resources management and development, and implementation of a hegemonic irrigation system (NSDP Update 2009-2013).
Country development priorities	<ul style="list-style-type: none"> - Rehabilitating and constructing the existing irrigation system as development priority to meet the urgent needs of water supply for agriculture; - Generating incomes through irrigated agriculture and continued investments.
Country environmental development priorities	<ul style="list-style-type: none"> - Strengthening environmental protection and sanitation to preserve an unpolluted water and clean environment; - Avoiding polluting water resources in order to protect the ecosystem.
Other consideration and priorities such as market potential	<ul style="list-style-type: none"> - Encouraging investments from international development partners and the private sector to support the development, maintenance, and management of the irrigation system.

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/>**