

Monitoring & Evaluation (M&E) Plan

Basic Information	
Title of response plan	Market assessment in the application of climate technologies in the agriculture sector for rural development in Cambodia
Technical assistance reference number	CTCN 23-012
Country/ countries	Kingdom of Cambodia
NDE focal point and organisation	<p><i>Mr. OU Chanthearith, Director of the Department of Science and Technology of the General Directorate of Policy and Strategy, Ministry of Environment of the Kingdom of Cambodia</i> <i>(chanthearithccd@hotmail.com; chanthearithdst2023@gmail.com) 3rd floor, Morodok Techo Building, Lot 503, Tonle Bassac, Chamkarmon, Phnom Penh, Cambodia</i></p> <p><i>H.E. SUM Thy, Acting Director General of the General Directorate of Policy and Strategy, Ministry of Environment of the Kingdom of Cambodia</i> <i>(sum.thy@moe.gov.kh; sumthy@yahoo.com; cceap@online.com.kh)</i> <i>Morodok Techo Building, Lot 503, Sangkat Tonle Bassac, Khan Chamkarmon, Phnom Penh, Cambodia</i></p>
Sector(s) addressed	<ul style="list-style-type: none"> - Agriculture - Water
Technologies supported	<p>The program encompasses mitigation and adaptation technologies aligned with the updated NDCs:</p> <ol style="list-style-type: none"> 1) Harvesting and post-harvesting techniques, agro-food processing incl. solar cooling, food product saving and packaging, 2) Bio-digester and biochar production, manure management, and compost-making, 3) Water management for improved crop production, improved quality-safety (incl. solar water pumping, hydroponics, and rainwater harvesting system).
Implementation period and total duration	From August 2023 to June 2024, 11 months
Total budget for implementation	98,900 USD
Designer of the response plan	Sustainable Solutions for Africa
Implementer of response plan	Sustainable Solutions for Africa

(A) Outputs and Activities as described in the Response Plan	(B) Indicator	(C) Expected results	(D) Method and frequency for data collection	(F) Comments
Output 1: Add title from the Response Plan (e.g. CTCN planning and monitoring documents)	<i>Select relevant indicators from the Closure Report (at least one core indicator, section B). You may also define additional relevant indicators to be added.</i>	<i>Add the expected quantitative or qualitative target/value of the indicator (e.g. number of studies, policy recommendations , etc.).</i>	<i>Describe the expected method and frequency for data collection (e.g. survey, head count at a training workshop, application of a standard methodology etc.)</i>	<i>Describe any assumptions made or anticipated challenges for collecting quantitative and qualitative data</i>
Output 1: Development of implementation planning and communication documents				
Activity 1.1: Formulation of i) Detailed work plan, ii) Monitoring and evaluation plan, iii) CTCN Impact Description, iv) Closure and Data Collection report.	Number of program documents produced	4	Document review; once	
Output 2: Comprehensive knowledge of climate technologies for adaptation and mitigation, operational considerations, business models, governance, and regulatory and policy frameworks				
Activity 2.1: Kick-off workshop	Anticipated number of beneficiaries as a result of TA (both mitigation and adaptation) – trained about climate technologies in agriculture for rural development	15	Head count at a training workshop; once	
	Number of beneficiaries supporting adoption of identified climate technologies in agriculture for rural development as a result of the TA	7	Survey; once	
Activity 2.2: Estimate the potential of savings in GHG emissions and adaptation impact.	Number of technologies with estimated climate impact	2	Document review; once	

Activity 2.3: Investigate business models, governance, and regulatory and policy frameworks in Cambodia.	Analysis of business models, governance, and regulatory and policy frameworks in Cambodia	1	Document review; once	
Activity 2.4: Conduct cost analysis.	Number of technologies analysed	2	Document review; once	
Activity 2.5: Create an inception report for rural development, including the agriculture and water sectors and the application of climate technologies.	Number of inception reports produced	1	Document review; once	
Output 3: Understanding of the capabilities and limitations of climate technologies in the water and agriculture sectors that would lead to assessing challenges associated with its implementation and finding solutions to integrate project outcomes to a GCF Concept Note				
Activity 3.1: Analyse the application of climate technologies to the agriculture and water sector for rural development Activity 3.2: Draft a synthesis report including the identification of technologies, benefits, challenges, solutions, and project pipeline.	Number of Concept Notes produced	1	Document review; once	
Output 4: Understanding of the financial limitations to piloting, adoption and expansion of the technologies with references to existing applications and case studies				
Activity 4.1: Consolidate best practices with demonstrated examples, tools, methods,	Document with consolidated best practices with demonstrated examples, tools, methods,	1	Document review; once	

implementation challenges and costs on the application of technologies.	implementation challenges and costs on the application of technologies.			
Activity 4.2: Provide policy and action recommendations.	Document with policy and action recommendations	1	Document review; once	
Activity 4.3: Financial instruments consultation workshop.	Anticipated number of beneficiaries as a result of TA (both mitigation and adaptation) – workshop participants learning about suggestions on innovative financial instruments tailored to the adoption of technologies in the agriculture and water sectors in Cambodia	10	Headcount during the workshop; once	
	Number of appropriate and prioritised financial instrument supported during the workshop consultation to apply and scale up project outcomes for a GCF Concept Note.	2	Survey; once	
Activity 4.4: Provide suggestions on applying the project outcomes to a GCF Concept Note.	Document with suggestions on applying the project outcomes to a GCF Concept Note.	1	Document review; once	
Activity 4.5: Draft a final report.	Final report document	1	Document review; once	