

Technology Fact Sheet for Adaptation

Technology Fact Sheet: Establishment of climate-smart Agricultural Technology Dissemination Center ⁱ

Sector	Agriculture/ Technology development and knowledge management
Technology Name	Establishment of climate-smart Agricultural Technology Dissemination Center
Adaptation Benefits	
Background/ Notes, Short description of the technology option	<p>The dissemination of new technology is an important factor determining the future of climate smart agriculture. Along with the development of innovative agriculture technology is important to strengthen technology dissemination services so that the farmer is able to make use of the latest agricultural developments so that these serve a useful purpose to the end user. There is also a greater need for coordination between researchers and technology users. Thus, the institution that bridges the gap between farmers and agricultural research scientists is the Agricultural Technology Dissemination Center. This center will establish a formal management mechanism linking scientists or department in charges of different disciplines (though engaged in interdependent tasks) on the one hand to the technology users on the other. The linkage mechanism should be with formal, permanent, mandated, facilitated and designated function. The establishment of an Agricultural Technology Dissemination Centre will provide such a mechanism beyond the individual unit of a research institution to contribute to the dissemination of the information and technical know-how of the climate smart agriculture technologies.</p> <p>The main objective of Agriculture Technology Dissemination Center is to transmit latest technical know-how to farmers. Besides this, the Center also will focus on enhancing farmers' knowledge about crop techniques and helping them to increase productivity.</p>
Implementation assumptions, how this technology will be implemented and diffused across the subsector	The climate smart Agricultural Technology Dissemination Center will provide a 'single window' delivery system of the inputs and production technology available from an

	institution to the farmers and other interested groups. This Center also will facilitate farmer's access to the institutional resources available in terms of technology, advice, technology products, etc. and will provide mechanism for feedback from the users to the institute.
Impact Statements-How this option impacts the country development priority	
Country social development priorities	<ul style="list-style-type: none"> • This technology will facilitate farmer's access to the institutional resources available in terms of technology, advice, technology products,
Country economic development priorities	<ul style="list-style-type: none"> • Development of farmer's technical know-how on the newly innovated technologies will increase production base, which ultimately increase on-farm employment opportunity and will reduce rural poverty. • Will support addressing long-term impacts and variability, technologies in crop agriculture consistence with the predicted changes in climate system
Country environmental development priorities	<ul style="list-style-type: none"> • Dissemination of appropriate technologies will increase agricultural production base • Will support conservation of local level biological resources.
Costs	
Capital costs	<ul style="list-style-type: none"> • Approx cost = Tk 5000.00 Lakh for Center establishment • Approx cost = Tk 2500.00 Lakh for tools and appliances <p>Total: Taka 7500 lakh; (USD 9375000)</p>
Operational and Maintenance costs	<ul style="list-style-type: none"> • Approx cost of field experimentation and demonstration = Tk 500.00 lakh • Development of dissemination packages and tools Tk 250 lakh • Approx cost of HR and monitoring = Tk 250.00 lakh/year <p>Total: Taka 1000 lakh; (USD 1250000)</p>

ⁱ This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Adaptation– Bangladesh. You can access the complete report from the TNA project website <http://tech-action.org/>