

BANGLADESH**1.4.1.4. Technology action plan for Training on improved farming practices for crops, irrigation and water management, soil fertility management (conservation and restoration of soil quality) etc**

a) Aggregation and grouping of identified measures

Following identification of measures in the stakeholders' consultation workshop, the identified measures have been grouped under broader strategic measures presented in the table below;

Table 27: Grouping of measures under broader criteria

Technology	Strategic measures	Specific measure	Timeline	
			Short Term (1-5 years)	Long Term 1-10 years
Training on improved farming practices for crops, irrigation and water management, soil fertility management (conservation and restoration of soil quality) etc	Investment	Reviewing and increasing budgetary allocation for agricultural training and extension services	√	
		Public and private sector funding for training and agricultural extension services	√	
		Making a sector and technology specific proposal and generating funds from the development partners and other international adaptation funding sources	√	
	Capacity development	Reviewing technical and institutional capacities of the existing training and extension agencies	√	
		Training and capacity building of the experts of the research organizations for the dissemination of climate change resilient rice varieties		
		Strengthening capacity of the seed certification authority so that only the quality seeds and easily adaptable farming technologies reach to the farmers		√
		Developing comprehensive action plan for technical and institutional capacity building of the public and private sector training providing organizations	√	
	Organizational/behavioral	Creating a network among research organization, academic institutions and NGOs to remove misunderstanding about high	√	

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	change	yielding variety (HYV) and genetically modified (GM) variety		
		Demonstrating the new technology to increase social acceptance	√	
		Strengthening system support and other services through quality assurance, information on new practices, financial services etc	√	
	Assigning focal point for sharing and coordination of activities of different agencies	√		
	Policy/ Law	Laws and strategy to encourage private sector involvement in the agricultural extension and dissemination services		√

b) Technology Action Plan

Table 28: Technology action plan for Training on improved farming practices for crops, irrigation and water management, soil fertility management (conservation and restoration of soil quality) etc

Sector: Agriculture					
Specific technology: Training on improved farming practices for crops, irrigation and water management, soil fertility management (conservation and restoration of soil quality) etc					
Measures (Grouped under broader category)	Importance of the measure	Implementing agency	Timescale	Cost for the measures/ Unit ('000 USD)	Monitoring, Reporting and verification for measure
	1	2	3	4	5
Investment					
Reviewing and increasing budgetary allocation for agricultural training and extension services	To help policy makers and investors to have a clear idea on investment requirement for the implementation of the technology.	Ministry of Agriculture, DAE, BARC	2013-2017	100	Increased agriculture sector budgetary allocation from ADP
Public and private sector funding for training and agricultural extension services	To ensure immediate and need based finance for agricultural training and technology extension from the	Ministry of Agriculture, Ministry of Finance	2013-2017	40	Increased funding from public and private sectors

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	Annual Development Programme (ADP).				
Making a sector and technology-specific proposal and generating funds from the development partners and other international adaptation funding sources	To get immediate and long-term funds from international sources.	Ministry of Agriculture, Ministry of Finance	2013-2017	20	Communicated technology specific proposal to the development partners
Capacity development					
Reviewing technical and institutional capacities of the existing training and extension agencies	To identify technical and institutional capacity gaps of the existing institutions	Ministry of Agriculture,	2013-2017	20	Identified technical and institutional capacity gaps of the rice research institutions
Training and capacity building of the experts of the research organizations for the dissemination of climate change resilient rice varieties	To learn and enhance understanding and knowledge on the extension of agricultural technology	Ministry of Agriculture, Bangladesh Rice Research Institute (BRRI) DAE, BARC	2013-2017	50	Research organizations are staffed with skilled and expert human resource
Strengthening capacity of the seed certification authority so that only the quality seeds and easily adaptable farming technologies reach to the farmers	To ensure supply of quality seed and technology specific appropriate farming technology to the farmers.	Ministry of Agriculture, DAE	2013-2023	30	Ensured supply of quality seeds and other inputs and dissemination of appropriate technologies to the farmers level
Developing comprehensive action plan for technical and institutional capacity building of the public and private sector training providing	To help policy makers and other stakeholders to prioritize actions and make investment decision on	Ministry of Agriculture, DAE, BARC,	2013-2017	40	Readily available comprehensive action plan for capacity building of the rice

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organizations	priority action				research institutions
Organizational/ behavioral change					
Creating a network among research organization, academic institutions and NGOs to remove misunderstanding about high yielding variety (HYV) and genetically modified (GM) variety	To increase acceptability of the high yielding variety (HYV) and genetically modified (GM) variety by the farmers and other stakeholders	DAE, BARC, SRDI, BINA, BRRI, NGOs, Private Sector	2013-2017	20	Increased acceptance of the high yielding variety (HYV) and genetically modified (GM) variety by the farmers and other stakeholders
Demonstrating the new technology to increase social acceptance	To promote and socialize the application of the technology	DAE, BARC, BRRI, NGOs	2013-2017	30	Increased social acceptance of the technology
Strengthening system support and other services through quality assurance, information on new practices, financial services etc	To ensure effective and quick transfer and diffusion of the technology	Ministry of Agriculture, DAE, BARC,	2013-2017	30	Increased delivery of support services
Assigning focal point for sharing and coordination of activities of different agencies	To enhance coordination among different agencies and to facilitate uniform strategies and actions among the agencies	Ministry of Agriculture, Ministry of Water Resources, DAE, BARC, BRRI,	2013-2017	20	Related ministries departments appointed a focal person for increased sharing and coordination
Policy/ Law					
Introducing laws and strategy to encourage private sector involvement in the agricultural extension and dissemination services	To facilitate private sector involvement in agricultural extension and dissemination services.	Ministry of Agriculture,	2013-2023	20	Developed private sector supportive laws and policies for agricultural extension and dissemination.