

Technology Fact Sheet for Adaptation

Technology Fact Sheet: Monitoring sea level, tide, salinity, sedimentation and coastal erosion ⁱ

Sector	Water/ Monitoring of sea and coastal changes
Technology Name	Monitoring sea-level, tide, salinity, sedimentation and coastal erosion.
Adaptation Benefits	The monitoring program will build up awareness to guide for taking action by the decision makers to ensure future sustainability. Moreover, the program will help ensuing healthy, economic and agricultural productive environment.
Background/ Notes, Short description of the technology option	There is no adequate database to ascertain the effect of sea level rise at different dimension. It is essential to record the water level, discharge, salinity and sedimentation for monitoring the substantial changes in the respective dimension. Solution: Medium and long-term program with traditional method.
Implementation assumptions, how this technology will be implemented and diffused across the subsector	Important considerations for monitoring are: • Planning, installation of network establishment and monitoring for water level, salinity and sediment measurement. • Supply & installation of auto gauges at suitable locations. • Skill development
Impact Statements-How this option impacts the country development priority	
Country social development priorities	• Will ensure healthy, economic and agricultural productive environment.
Country economic development priorities	
Country environmental development priorities	• Awareness building to guide for taking action by the decision makers to ensure future sustainability.
Costs	
Capital costs	• Approx cost of planning Tk 50.00 lakh/ polder • Approx cost Tk 5.00 Lakhs/ number for supply and installation of auto gauges

	Total: 55 lahks/ polder; (USD 68750)
Operational and Maintenance costs	• Approx cost Tk 02.00 Lakhs/ number for operation and management; (USD 2500)

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/>