

# Coastal Embankment Improvement Project - Phase I (CEIP-I)

2013 - PRESENT

**World Bank**  
**Bangladesh Water Development Board**  
**Ministry of Water Resources, Bangladesh**  
Bangladesh

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## NATURE BASED SOLUTIONS

forests, rivers & floodplains, mangroves

The objectives of the project implemented by the Government of Bangladesh are to: (a) increase the area protected in selected polders from tidal flooding and frequent storm surges; (b) improve agricultural production by reducing saline water intrusion; and (c) improve the Government's capacity to respond promptly and effectively to crisis or emergency. These objectives will be achieved by strengthening and upgrading embankments as part of an integrated approach to improve the polder system in the coastal area. This will include the use of afforestation, particularly on the foreshore (coastal and riverbank). The improvements are expected to enhance resilience of the coastal area to cyclones, tidal and flood inundations, and salinity intrusion, in turn resulting in improved livelihoods along the coastal zone, and reduced loss of life, assets, crops and livestock in the event of a disaster.

## LEARN MORE

<http://projects.worldbank.org/P128276/coastal-embankment-improvement-project-phase-1ceip-1?lang=en>

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## INTERVENTION

Hybrid

## HAZARD

river flooding  
coastal flooding

## SCALE

Regional

## RISK REDUCTION BENEFITS

coastal energy management, erosion control and slope stabilization, redirection & drainage of flood & storm water, slope stabilization, soil composition maintained, other, reduced loss of transport infrastructure, reduced loss of water infrastructure, reduced loss of urban infrastructure, reduced loss of life

## DONORS

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## EST. MONETARY COST

(TODAY'S US\$)

**5**

## EST MONETARY BENEFITS

**Unknown**

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