Early Warning System

ADB-58317-001

Kerala Sustainable Coastal Protection and Climate Resilience Planning Project

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Quick Facts

Countries	India
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	B
Sectors	Climate and Environment, Infrastructure
Investment Type(s)	Loan
Investment Amount (USD)	$ 200.00 million
Loan Amount (USD)	$ 200.00 million

Project Description

According to the bank disclosure statement, the project focuses on 10 priority coastal sites identified by the Government of Kerala as critically vulnerable to erosion, flooding, and climate-related hazards, under project loan modality. These include Shangumugham, Alappad, Kodungallur, Ponnani, Thalassery, Varkala, Vypeen, Kappad, Valiyaparamba, and Allappuzha. At each location, coastal dynamics are influenced by wave-driven sediment transport, monsoonal drift patterns, estuarine systems, and infrastructure-induced disruption of littoral processes. Preliminary feasibility studies and numerical modelling, including work conducted by the National Centre for Coastal Research (NCCR), are informing site-specific protection strategies. Proposed solutions include hybrid interventions combining curved seawalls, groynes, offshore breakwaters, and beach nourishment, with designs tailored to local geomorphology and community needs. The project will give priority to approaches that reduce wave overtopping and inundation, restore beach buffers, and integrate nature-based elements where feasible.

Investment Description

- Asian Development Bank (ADB)

Contact Information

Project Officer
Blair Spendelow

ACCESS TO INFORMATION

You can submit an information request for project information at: https://www.adb.org/forms/request-information-form

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