



Climate Resilience Projects 2025

Adapting Coastal Communities to Climate Change

Organization for Management and Development Centre (OMDC)

Executive Summary

The year 2025 marks a critical milestone in OMDC's journey to strengthen climate resilience across vulnerable coastal regions. This report showcases our adaptation projects addressing rising sea levels, salinity intrusion, and recurring cyclones. It highlights measurable impacts, community stories, and a roadmap for scaling sustainable solutions.

Impact Highlights

Region	Key Adaptation Measure	Beneficiaries Impacted
Odisha	Cyclone Preparedness & Shelter Construction	12,500
Tamil Nadu	Mangrove Restoration & Coastal Protection	8,700
West Bengal	Salinity-Resistant Farming Techniques	10,200

Case Studies

- Odisha:** Coastal communities in Odisha were equipped with cyclone shelters, early warning systems, and training programs. These initiatives saved lives during recent storms and reduced property loss.
- Tamil Nadu:** Mangrove plantations along the coastline helped restore biodiversity and provided natural barriers against tidal surges. Local youth participated in nursery management, generating employment.
- West Bengal:** Farmers shifted to salt-tolerant rice varieties and diversified crops to withstand salinity. Training workshops improved productivity while safeguarding food security.

Future Roadmap (2025–2030)

- Expand mangrove restoration to an additional 2,000 hectares.
- Introduce AI-driven early warning systems in all 25 coastal villages.
- Establish climate-resilient livelihood models (eco-tourism, aquaculture).
- Strengthen cross-regional partnerships and international collaborations.

Closing Note

Our Climate Resilience Projects 2025 demonstrate that with collective effort, innovation, and community participation, it is possible to build a future where vulnerable coastal regions are not victims of climate change, but pioneers of adaptation and sustainability. For the full interactive experience, visit our website and click 'View Online'.