

Innovative Project Story

INDIA: Sustainable Coastal Protection and Management Investment Program – Day 2 group session

ADB Loan 2679 and Loan 3549

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1. Innovation

- Scientific approach by understanding the system and identifying cause of erosion for site specific coastal erosion management;
- Assessment of climate change impacts for strengthening coastal resilience;
- New approaches and design of coastal protection by working with natural processes

2. Issues addressed

- Community adaptability towards newer approaches such as beach nourishment; dune construction and offshore geo-textile reefs etc.
- Project design challenges during implementation, differential foundation settlement of the reef; changed foundation design, construction materials, crest level, variation, and extension of time;
- Vandalism, damages to the softer solution, defect liability period



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3. Approach / Solution applied

- Issue identification, assessment and stakeholder consultation;
- Structured involvement during the loan implementation, through Shoreline Management Organizations;
- Training and capacity building of EAs staff and exposure visits to successful interventions in other countries;
- Design reviewed under Global Environment Facility- ADB administered \$2 million grant;
- About 20 kms of low to medium erodible stretches, made climate resilient under Tranche 2 through softer solutions of dune construction and planting

4. Story behind the story

- LESR bidder temporary suspended before contract signing, complaints during bid evaluation process, and accident of the barge with the offshore reef at Ullal



Lessons learnt

- Project outcome should be measurable and acceptable to stakeholders;
- Stakeholders identification and consultation during preparatory stage;
- Training need assessment and institutional capacity building early in the project;
- Competent consulting support with local knowledge, and guidance to PMU staff to monitor and understand timelines for various deliverables;
- Multiple EAs under one loan make investment complex, however, supports resolving similar implementation issues;

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Maravanthe sub-project, Groynes and sand re-distribution

Thank you

