

ADB GEF PROJECT IMPLEMENTATION REPORT (PIR)

I. Project Profile

ADB Official Project Title: India: Climate-Resilient Coastal Protection and Management Project (CRCPMP)

ADB Project Number: 46460-001 (Approval No. TA 8652)

1. General Information	1	GEF ID (PMIS ID)	4536
	2	Focal Area(s)	Climate Change Adaptation (CCA-1; CCA-2 & CCA-3)
	3	Region	South Asia
	4	Country	India
	5	Project Title	Climate Resilient Coastal Protection and
	6	Project Size (FSP; MSP)	Management Full Size Project
	7	Trust Fund (GEFTF; SCCF; LDCF)	Special Climate Change Fund (SCCF)
2. Milestone Dates	8	GEF CEO Endorsement Date (mm/dd/yy)	03/12/14
	9	ADB Approval Date (mm/dd/yy)	05/16/14
	10	GEF Grant Signing (mm/dd/yy)	07/16/14
	11	Project Implementation Start Date (mm/dd/yy)	07/16/14
	12	Date of 1st GEF Grant Disbursement (mm/dd/yy) <i>(Definition: Please include initial date of cash advance to imprest accounts on GEF Funds)</i>	04/16/15
	13	Proposed/Revised Implementation End (mm/dd/yy)	03/31/2019
3. Funding	14	Actual Implementation End (mm/dd/yy)	
	15	PPG/PDF Funding (USD)	0
	16	GEF Grant (USD)	2,000,000
	17	Total GEF Disbursement as of 30 June 2018 (USD)	1,036,013
	18	Confirmed Co-Finance at CEO Endorsement (USD)	0
	19	Materialized Co-Finance at project mid-term (USD)	-
4. Evaluations	20	Materialized Co-Finance at project completion (USD)	-
	21	Proposed Mid-term date – if applicable (mm/dd/yy)	N/A
	22	Actual Mid-Term date - if applicable (mm/dd/yy)	-
	23	Proposed Terminal Evaluation date – if applicable (mm/dd/yy)	Q2 2020
	24	Actual Terminal Evaluation Date - if applicable (mm/dd/yy)	-
	25	Tracking Tools Required (Yes/No/ Focal Area TT)	
	26	Tracking Tools Date - if applicable (mm/dd/yy) Midterm Tracking Tool Terminal Evaluation Tracking Tool	N/A

5. Ratings	27	Overall Implementation Progress Rating (IP)	Satisfactory
	28	Overall Development Objectives Rating (DO)	On track
	29	Overall Risk Rating	Low risk
	30	Overall Project Rating	Satisfactory
6. Status	31	Status (GEF grant for ADB board approval/ GEF grant on-going)	Under implementation
	32	Implementation Status (1 st , 2 nd , 3 rd PIR..., Final PIR)	3 rd PIR
7. Files	33	PIR File Name	GEFID4536_2016_PIR_ADB_India_ClimateResilient

II. Project Contacts

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III. Project Implementation

A. Project Description:

The Technical Assistance (TA) project is to strengthen the coastal protection and management in India, and in particular to improve resilience to the impact of climate change. The Executing Agency for the TA is the Ministry of Water Resources, River Development and Ganga Rejuvenation, acting through the Coastal Erosion Directorate of the Central Water Commission (CWC), and the Director of the Central Water and Power Research Station (CWPRS) – the nodal bodies in India for coastal protection work.

GEF funds are used to provide consultancy services to:

- Develop Guidelines to be used as a primary reference for technical information and advice for use in the planning, design and approval of schemes to improve coastal protection and coastal management throughout India and its islands
- Improve shoreline management in two focal states of Maharashtra and Karnataka, supporting the work of the Sustainable Coastal Protection and Management Investment Program (SCPMIP) of the ADB
- Provide pilot sub-projects which use community-led, appropriate coastal protection projects provide resilience to climate change impacts and to demonstrate appropriate intervention methodologies.
- Strengthen institutional capacity to understand potential impact of climate change, and how climate resilience can be developed through appropriate coastal protection and management practices.

The Guidelines are being developed by international and national experts in coastal processes, coastal engineering and coastal morphology. A key aspect of the Guidelines is the provision of information of the likely impact of climate change on key design parameters for coastal protection works – parameters such as future sea level, extreme wave height, possible surge heights and the like. The Team is developing, as part of the Guidelines, gridded data on key parameters at various time horizons based on a 50 km grid around the India coastline. These data are being developed under sub-contracts with leading academic institutes in India and will be available for public download through a CWC-hosted data management system. Software will be provided as part of the Guidelines to simplify use of the data-sets, and to guide users of the system to develop appropriate design parameters.

The Team has also reviewed key outputs of the SCPMIP Tranche 1 projects in Karnataka and Maharashtra to make sure designs being developed are resilient to the anticipated coastal environment under climate change. The Team has reviewed Shoreline Management Plans and the designs of sub-projects in Tranche 2 of SCPMIP. Three sub-projects are being implemented as community-led pilot projects, reflecting a number of ways that climate resilient coastal protection can be provided. The Team are engaging a range of local stakeholder groups to explain, sensitize, and seek active participation in the execution and later management of the sub-projects.

Capacity-building focuses on (i) learning from the pilot project work to effectively mobilize local communities to actively participate in coastline management, and (ii) developing sustainable capability to use the new approaches described in the Guidelines. Officers of CWC and CWPRS are being trained as trainers to assure sustainability of the new approaches.

B. Implementation Progress (IP) Rating:

The implementation of the TA has been delayed by staffing issues initially, replacement of key members, delays in response from key stakeholders, procurement and tax/royalty related issues for pilot subprojects. The Team has been stable now for twenty-seven months, and good progress is now being made. The current status is described as follow:

- **Climate Change Adaptation Guidelines for Protection and Management of the Indian Coast.** The Guidelines have been developed by the consultants in consultation with stakeholders, and a final draft document reviewed in the National Technical committee meeting in December 2017. Further review of the document has been made with CWC and agreement has been reached on revisions and comments. As the guidelines suggest changes in existing Coastal Regulation Zone (CRZ) of Ministry of Environment, Forest and Climate Change (MOEFCC), the TA team has discussed, in March 2018, proposed revisions in meetings with CWC and MOEFCC. The updated version of guidelines also has since been shared with MOEFCC. Comments from the MOEFCC on the updated versions are yet to be received and are expected shortly. After incorporating comments of MOEFCC, approval of the final Guidelines will be sought from NTC and the approved guidelines would be disseminated at a national level workshop. Gridded data sets have been developed by the contracted academic institutes, data reviewed, and data-sets are now ready for uploading into the publicly-available website of CWC: India WRIS. The consulting team has been working with the CWC's Water Resources Information System (WRIS) team to upload the data. This has been delayed due to administrative issues of India WRIS website and is expected to be resolved soon.
- **Shoreline management in two focal states.** Reviews of Tranche 2 project designs and Shoreline Management Plans (SMP) for the two states have been conducted and shared with the key stakeholders. In Karnataka, the Tranche 2 consultants are using the review of designs to assist the re-design process for some of the component projects – which is currently an on-going process. The review of the Karnataka SMP recommended changes, which have not been made in the current State. However, a program for review and revision of the SMP has been started under Tranche 2 of SCPMIP, and the recommendations of the CRCPMP review are being adopted within this revision of the SMP. The Maharashtra SMP was also developed with knowledge of CRCPMP recommendations, and the review identified some areas for attention needed for the SMP – and MMB have committed to making the changes identified as needed.
- **Pilot sub-projects.** Due to budget constraints and cost issues, the Consultants have prepared finally three sub-projects instead of originally proposed six subprojects and have worked to prepare local communities for plantation of vegetation and dune care once the dune-formation civil works are complete. Initial hurdles related to Goods and Services Tax (GST) payments to contractor have been resolved as implementation agencies in both the states have agreed to bear the GST related expenses. Procurement process in Karnataka is in final stage but financial bid evaluation got delayed due to imposition of model code of conduct during the state assembly elections. The submission of PBER is expected shortly. In Maharashtra, delays had occurred, due to procurement issues concerning royalty payment on sand required for dune management for Bhatye subproject and due to pending resolution of bidder eligibility for Ubadhanda subproject technical bid evaluation. Royalty payment issue has now been resolved as government has decided to waive it off and Bhatye subproject contract is being signed. Ubadhanda project will be implemented by the consulting firm directly with community engagement. Under the circumstances, works for community protection pilot subprojects can now be taken up only in post monsoon period.

- **Institutional Capacity-building.** A training and institutional assessment has been prepared, implemented and largely completed. Training for uptake of the Guidelines has been completed with three events held, with increasing contributions provided by the IAs in successive training events to build sustainability. Training and capacity development for the use of the Guidelines has progressed well, with CWPRS now well-equipped to continue the training programme in the use of the new Guidelines.
 - a) **GEF Grant Disbursement**

The Effectivity of the TA was 16 July 2014 and the first disbursement was for \$92,761 on 16 April 2015. Total disbursement is \$1,036,013 as of 30 June 2018.
 - b) **Gender Action Plan Implementation Status**

Not applicable, No gender elements.
 - c) **Social and Environmental Safeguard Plan Implementation Status**

Not applicable.

C. Global Environmental Benefits (GEB) Objective/ Development Objective (DO) Rating:

At this stage, there is high likelihood of achieving development objectives and the project outcome by the revised grant closing date and the project performance has been rated as Satisfactory. The status of project outcomes as per DMF is at Attachment 1.

D. Risk Rating:

Risk Status: Low

Implementation of project outputs is now near completion, as detailed in para B. As the final comments from MOEFCC on the Guidelines were awaited and the implementation of the demonstrative pilot subprojects had been delayed due to unavoidable circumstances beyond control of IAs and consultants, a final project extension was processed by ADB with a view to complete remaining activities before 31 March 2019. All efforts are being made to complete the remaining activities of (i) collation of comments of MOEFCC and finalization of the Guidelines; (ii) release of final guidelines; (iii) work with WRIS team to populate data sets at India-WRIS website; (iv) implementation of three community protection pilot subprojects; and (v) preparation of TA final report, in consultation with EA and states IAs.

E. Overall Rating of the Project:

Satisfactory

F. Additional Comments – Good Practices and Lessons Learned:

The project is close to achieving its key targets of getting full buy-in to a new approach to coastal management in India together with the availability of a data-set providing key information of the potential impact of climate change on the coastal environment of India – on a gridded basis around the coastline. These will be very major achievements.

A key lesson from the project is the challenge of the implementation of the pilot sub-projects in the manner adopted in the project design. This was a novel component to the project but has proven very difficult to manage in practice.

Another concern relates to lack of necessary participation and ownership by the key stakeholder agencies leading to avoidable delays in the process of guidelines development. Active participation and ownership by concerned stakeholder agencies would lead to faster adoption and evolution of the guidelines.

For Projects that have conducted Midterm Review Mission and Project Completion Mission (from 1 July 2016 to 30 June 2017)

IV. Materialized Cofinancing: N/A

Co-financing Table

(For projects which underwent a mid-term review/evaluation or terminal evaluation in FY)

Materialized Co-financing

[Please refer to the PIF template on the GEF webpage]

Sources of Co-financing ¹	Name of Co-financer	Type of Co-financing ²	Amount Confirmed at CEO endorsement / approval	Actual Amount Materialized at Midterm	Actual Amount Materialized at Closing
		TOTAL			

Explain "Other Sources of Co-financing":

Reminder: Kindly include in your submission a copy of the following:

1. For projects that conducted **Midterm Review Mission**: Copy of the MOU Midterm Review Mission; BTOR and Updated Tracking Tools
2. For projects that conducted **Project Completion Mission**: Copy of the PCR, Copy of the MOU Midterm Review Mission; and Updated Tracking Tools

Signature:

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Name of Project Officer: RAJESH YADAV

Position: Senior Project Officer (Agriculture and Natural Resources)

Date: 27 August 2018



Endorsed by:

Kenichi Yokoyama

Country Director, INRM

K. Yokoyama

¹ Sources of Co-financing may include: Bilateral Aid Agency(ies), Foundation, GEF Agency, Local Government, National Government, Civil Society Organization, Other Multi-lateral Agency(ies), Private Sector, Other

² Type of Co-financing may include: Grant, Soft Loan, Hard Loan, Guarantee, In-Kind, Other

ATTACHMENT 1

Outcome	Status
1. Climate change adaptation guidelines for the protection and management of the Indian coast are officially endorsed	<p>Partially Achieved; Guidelines document ready, only endorsement by government is awaited.</p> <p>Guidelines have been prepared and are endorsed by the Panel of Experts. During the second NTC meeting on 13 December 2017, the participants provided comments and suggestions for revision. Revisions have been proposed and review with CWC in March 2018. MOEF&CC requested more time to review Guidelines and comments are awaited.</p>
2. Shoreline management is climate-resilient in two focal states	<p>Achieved</p> <p>Review of SMPs for Karnataka was completed, with revisions to incorporate climate resilience. Maharashtra SMP review completed, and endorsement of report from MMB received.</p> <p>Coastal management information systems of focal states are being linked to India WRIS website.</p>
3. Coastal investments in two focal states incorporate climate resilience	<p>Partially Achieved; only implementation of pilot subprojects is to be completed.</p> <p>Ongoing SCPMIP Tranche 2 sub-projects in Karnataka are incorporating climate change resilience measures.</p> <p>Community sub-projects limited to three after feasibility analysis and due to fund limitations. 1 subproject in Bhatye has reached contract signing stage, 1 subproject at Ubhadanda will be completed by consulting firm directly through community engagement and 1 subproject at Majali is in PBER approval stage. Project Extension up to 31 March 2019 has been approved to complete the subproject in post monsoon period.</p>
4. Institutions have strengthened capacity and raised awareness of coastal climate change and adaptation measures	<p>Achieved</p> <p>Training materials have been developed and shared with the two focal states implementing SCPMIP, CWPRS, and NWA for use in their training activities. Materials will be placed on a publicly-available website (CPDAC - Coastal Protection and Development Advisory Committee website).</p> <p>Awareness materials on the guidelines are prepared and distributed. Upon finalization of the Guidelines, awareness materials will be revised to reflect the final guidelines and disseminated.</p> <p>Trainers were trained in a wide range of coastal engineering solutions.</p>