



## India: Northeastern Integrated Flood and Riverbank Erosion Management Project (Assam)

Project Name	Northeastern Integrated Flood and Riverbank Erosion Management Project (Assam)		
Project Number	38412-012		
Country	India		
Project Status	Closed		
Project Type / Modality of Assistance	Technical Assistance		
Source of Funding / Amount	<b>TA 4896-IND: Northeastern Integrated Flood and Riverbank Erosion Management Project (Assam)</b>		
	ATF - DFID-United Kingdom	US\$ 800,000.00	
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth		
Drivers of Change	Governance and capacity development Partnerships		
Sector / Subsector	<b>Agriculture, natural resources and rural development</b> - Rural flood protection <b>Water and other urban infrastructure and services</b> - Urban flood protection		
Gender Equity and Mainstreaming	No gender elements		
Description	<p>The goal of the PPTA is to support the ASG's economic and poverty reduction efforts through integrated FREM along the Brahmaputra and Barrak rivers. The Project aims to promote people's livelihoods, through comprehensive FREM measures, which will provide protection from river erosion and floods, with a focus on the most vital areas of economic and national interests. An adaptive process approach is proposed that will protect critical reaches first, and then replicate suitable measures to other areas later. Other nonstructural measures will be adopted with intensive stakeholder participation. The TA will be undertaken in two phases. Phase 1 will comprise (i) preparation of a state-level integrated FREM strategy and action agendas, and (ii) identification of cost-effective and affordable FREM options in the priority subproject areas. The phase 2 will undertake (i) subproject-level participatory options finalization and detailed feasibility studies; (ii) safeguards assessments; and (iii) preparation of institutional action plans and support programs for institutional strengthening; and (iv) formulation of an investment project package for ADB financing. The TA will appraise up to 4 subprojects. Further subprojects will be appraised during follow-on cluster TA for project processing and capacity building, as well as during the implementation of the Project.</p> <p>On the basis of the TA outputs, the Project may have the following components: (i) participatory scheme planning and design with extensive FREM options analysis in subproject areas; (ii) comprehensive FREM infrastructure and non-structural measures; (iii) complementary infrastructure and programs such as rural roads and demonstration of productive agriculture practices including groundwater irrigation, as necessary; and (iv) project management and institutional strengthening for operationalizing effective FREM at the state level, including sustainable operation and maintenance of FREM infrastructure.</p>		
Project Rationale and Linkage to Country/Regional Strategy	<p>The Brahmaputra River, the fifth largest in the world, serves as a lifeline for Assam and other states in the northeast region. However, unpredictable shifts of the river, sever erosion, and frequent flooding have major adverse effects on the economy and ecology, affecting and threatening key urban centers, basic infrastructure, industrial and agricultural areas, and natural heritage sites. Erosion displaces a large number of the population who are often rendered poor and landless. To address these problems, the Assam state government needs to develop and implement a comprehensive, cost-effective, and affordable flood and erosion mitigation management strategy. It also needs to underdate critical investments and strengthen the policy and institutional framework for flood control. The Government's 10th Five-Year Plan places priority on reasonable protation of the flood-prone area, including Assam state. ADB's Country Strategy and Program for India (2005-2007) has noted that the water sector is of fundamental importance in promoting economic growth and poverty reduction. It also focuses on poverty reduction of disadvantaged areas, especially in the remote northeast poor states including Assam. The sector strategy focuses on infrastructure and institutional development for sustainable water management, with full stakeholder participation.</p>		

Impact

## Project Outcome

Description of Outcome

Progress Toward Outcome

### Implementation Progress

Description of Project Outputs

Status of Implementation Progress (Outputs, Activities, and Issues)

Geographical Location

## Safeguard Categories

Environment	A
Involuntary Resettlement	A
Indigenous Peoples	B

## Summary of Environmental and Social Aspects

Environmental Aspects

Involuntary Resettlement

Indigenous Peoples

### Stakeholder Communication, Participation, and Consultation

During Project Design

During Project Implementation

## Business Opportunities

Consulting Services	The following consulting services will be recruited, which will comprise three groups: Phase 1, Phase 2, and a panel of experts. The phase 1 consultants will comprise 2 person-months of an international river management specialist, and 12 person-months of domestic (FREM specialist, flood management specialist, morphologist, water resources planner, and socio-economist) consultants. The phase 2 consultants will comprise 8 person-months of international (river management specialist, project economist, environment specialist, and resettlement specialist) and 34 person-months of domestic (FREM specialist, morphologist, project economist, sociologist, environment specialist, resettlement specialist, institutional specialist, fiscal management specialist, watershed specialist, participatory development specialist, agriculture specialist, and legal specialist) consultants. The panel of experts will comprise 3.5 person months of international (2 FREM infrastructure specialists, an institutional specialist, and fiscal management specialist) consultants and 2 person months of domestic (2 FREM) consultants. The phase 1 international consultant will be engaged individually by ADB, whereas domestic consultants will be engaged through a local firm through a quality and cost based selection (QCBS) based on bio-data proposal procedure. Advance action will be taken to select the consultants on a non-committal basis. The phase 2 consultants will be engaged through an international firm in association with domestic consultants following QCBS based on full technical proposals. Panel of experts will be engaged individually by ADB. All recruitment will be in accordance with ADB's Guidelines on the Use of Consultants (January 2005) and other arrangements satisfactory to ADB for engaging domestic consultants.
Procurement	tbd

## Responsible Staff

Responsible ADB Officer	Yokoyama, Kenichi
Responsible ADB Department	South Asia Department
Responsible ADB Division	Environment, Natural Resources & Agriculture Division, SARD
Executing Agencies	Water Resource Department Government of Madhya Pradesh Mantralaya Bhopal, India 462 001

## Timetable

Concept Clearance	-
Fact Finding	16 Feb 2006 to 07 Mar 2006
MRM	-
Approval	14 Dec 2006
Last Review Mission	-
PDS Creation Date	25 Feb 2006
Last PDS Update	14 Jul 2008

## TA 4896-IND

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
14 Dec 2006	20 Feb 2007	20 Feb 2007	31 Dec 2007	21 Dec 2008	-

Financing Plan/TA Utilization							Cumulative Disbursements	
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
0.00	800,000.00	0.00	0.00	0.00	0.00	800,000.00	14 Dec 2006	782,349.85

Project Page	<a href="https://www.adb.org/projects/38412-012/main">https://www.adb.org/projects/38412-012/main</a>
Request for Information	<a href="http://www.adb.org/forms/request-information-form?subject=38412-012">http://www.adb.org/forms/request-information-form?subject=38412-012</a>
Date Generated	12 April 2017

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