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GOVERNMENT OF ASSAM

**WATER RESOURCES DEPARTMENT, ASSAM  
EXTERNALLY AIDED PROJECTS (EAP) WING**

**NAME OF THE PROJECT**

**CRBIFRERMP**  
**(Climate Resilient Brahmaputra Integrated Flood and  
Riverbank Erosion Risk Management Project )**

**Funded by  
Asian Development Bank (ADB)**

*Executing Agency:*  
**FLOOD AND RIVER EROSION MANAGEMENT AGENCY OF ASSAM  
(FREMAA)**

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**Climate Resilient Brahmaputra Integrated Flood and Riverbank Erosion  
Risk Management Project (CRBIFRERMP) Overview**

**Project concept and scope of work:**

- Follows a climatic-resilient holistic, integrated, systematic and reach-wise approach to flood and riverbank erosion risk management.
- Focus on four priority reaches of the Main Stem of the Brahmaputra River in Assam which includes both structural and non-structural measures

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## Climate Resilient Brahmaputra Integrated Flood and Riverbank Erosion Risk Management Project (CRBIFRERMP) Overview

### Objectives:

- ▶ Reduce economic vulnerability and social disruption in selected areas along the Main Stem of the Brahmaputra River in Assam;
- ▶ Strengthen the institutional capacity
- ▶ Strengthen the knowledge-base on preventive measures
- ▶ Stabilize selected river reaches integrating erosion and flood protection works
- ▶ Enhance the livelihoods of the riverine population.

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## CRBIFRERMP Project Overview

### Key features:

- ▶ **Executing Agency:** FREMAA (Flood and River Erosion Management Agency of Assam)
- ▶ **Implementing Agencies:**
  - ❖ Water Resources Department (WRD)
  - ❖ Assam Agroforestry Development Board (AADB)
- ▶ **Partner Agencies:**
  - ❖ Assam Inland Water Transport Development Society (AIWTDS)
  - ❖ Assam State Disaster Management Authority (ASDMA)
  - ❖ Brahmaputra Board (BB)

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## CRBIFRERMP Project Overview

### STRUCTURAL MEASURES:

- ▶ Riverbank erosion protection
- ▶ Adaptation and/or emergency works to stabilize the river and improve its navigability
- ▶ Structural interventions using
  - Geotextile bags filled with sand,
  - Pro-siltation measures (PORCUPINE) to induce sediment deposition
  - Construct, rehabilitate, or widen flood embankments including sluice gates, fish passes and drainage structures

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## CRBIFRERMP Project Overview

### NON-STRUCTURAL MEASURES:

- ❖ Nature-based solutions (supported by AADB)
- ❖ Flood forecasting and early warning system
- ❖ Flood risk mapping
- ❖ Embankment breach and erosion prediction models
- ❖ Asset management system
- ❖ Modern surveys and river monitoring
- ❖ Strengthening disaster preparedness and emergency response
- ❖ Livelihood improvements of most vulnerable riverine people
- ❖ Capacity building
- ❖ Updating design guidelines and the 2020 Flood and Erosion Management Plan

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## CRBIFRERMP Project Overview

- **Total Project Cost: 500 million USD**
- **Phased Approach to the Overall Investment**
  - **Phase 1:**
    - ❖ Already in progress
    - ❖ External Financing: 200 million USD (ADB)
    - ❖ Total Project Duration: 6 years
    - ❖ End Date: 2029
  - **Phase 2:**
    - ❖ Additional financing project of another 200 million USD
    - ❖ Process started, works to start in 2025

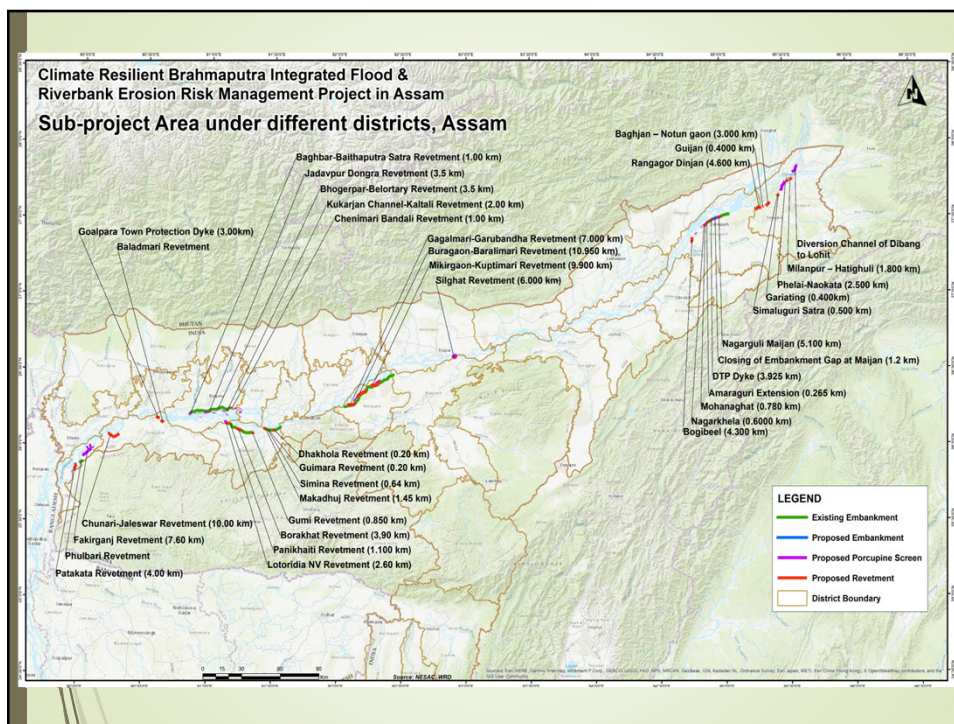
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## CRBIFRERMP Project Overview

### Areas/zones in Phase-I:

- Zone A- Dibrugarh and Tinsukia District (Dibrugarh WR Division)
- Zone B- Morigaon District ( Morigaon, WR Divisions)
- Zone-C- Kamrup District (PGP & Guwahati West WR Divisions)
- Zone-D- Goalpara District (Goalpara WR Divisions)

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<b>CRBIFRERMP Project Overview</b>			
<b>Procurement already completed/verge of completion by WRD</b>			
<b>Type and Package Name</b>	<b>Location</b>	<b>Est. Cost (USD Million)</b>	<b>Status</b>
Supply of Geo-bags Type-A, Geotextile fabric sheet and Sewing Thread : G-01, G-02, G-03, G-04	Dibrugarh-Tinsukia, Kamrup, Morigaon, Goalpara	56.27	Awarded
Supply of Geo-bags Type-C and Sewing Thread : G-01(A), G-02 (A)	Dibrugarh-Tinsukia, Kamrup, Morigaon, Goalpara	36.81	Part awarded. Balance to be awarded shortly
Underwater riverbank protection works and above water riverbank protection works: W1-MG, W2-PG(A), W2-PG(B)GW, W3-GP, W4-TS, W5-DG	Dibrugarh-Tinsukia, Kamrup, Morigaon, Goalpara	63.53	Awarded
Supply and installation of Porcupines: G-06, G-07a, G-07b, G-08	Dibrugarh-Tinsukia, Kamrup, Morigaon, Goalpara	10.8	To be awarded shortly
Supply of Type B geobags along with Type C and Type A Polyester Bags as Reserved Stocks to be used for Emergency Works: G-11, G-11a, G-11b	Dibrugarh-Tinsukia, Kamrup, Morigaon, Goalpara	0.9	To be awarded shortly

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## CRBIFRERMP Project Overview

Procurement already completed/verge of completion by FREMAA

Type and Package Name	Est. Cost (USD Million)	Status
Project Implementation Support Consultant, CS-01	10.00	Awarded
Procurement Consultant, IC-1	0.04	Awarded
External Monitoring Expert (Social Safeguards), IC-2	0.08	In progress
Data collection for assessment of economic benefits, NCS-01	0.025	Awarded
Environmental surveys, baseline data collection on environment, NCS-02	0.0625	Awarded
Social and resettlement surveys and poverty and social impact assessment, NCS-03	0.0625	Awarded
High-resolution topographic data surveys (incl. drone surveys), NCS-07	0.30	In progress
Engagement of NGO for Implementation Support of Resettlement Plan, PG-Kamrup, Goalpara, Morigaon, Dib-Tin, NCS-15, 16, 17	0.16	In progress
Financial Management Audit Firm - Internal Audit, NCS-18	0.025	In progress

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## Important websites

- <https://assamtenders.gov.in/nicgep/app>
- <https://waterresources.assam.gov.in/>
- <https://fremaa.assam.gov.in/>
- <https://asdma.assam.gov.in/>
- <https://aadb.assam.gov.in/>

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