

Template for Summary of Project/Program Approval Request

PILOT PROGRAM FOR CLIMATE RESILIENCE

Summary - Project/Program Approval Request

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| 1. Country/Region: | Bangladesh | 2. CIF Project ID#: | (Trustee will assign ID) |
| 3. Project/Program Title: | Coastal Climate Resilient Infrastructure Project (formerly Climate Resilient Infrastructure Improvement in Coastal Zone Project) | | |
| 4. Type of PPCR Investment | <i>Private:</i> | <i>Public:</i> <input checked="" type="checkbox"/> | <i>Mixed:</i> |
| 5. Funding Request (in USDmillion total) for Project/Program: | <i>Grant: USD 10 million</i> | | <i>Loan: USD 20 million</i> |
| 6. Approved Preparation Grant | <i>Amount (USD): 600,000</i> | | <i>Date: 1 September 2011</i> |
| 7. Implementing MDB: | <i>Asian Development Bank</i> | | |
| 8. Other MDB Involvement | <i>MDB:</i> | <i>Type of Involvement:</i> | |
| 9. National/[Regional] Project Focal Point: | <i>Dr. Mohammed Nasiruddin, Joint Secretary, Ministry of Environment and Forests (MOEF)</i> | | |
| 10. National/[Regional] Executing Agency for project/program: | <i>Local Government Engineering Department (LGED) in the Local Government Division of the Ministry of Local Government, Rural Development, and Cooperatives.</i> | | |
| 11. MDB PPCR Focal Point and Project/Program Task Team Leader (TTL): | <i>Headquarters-PPCR Focal Point: Charles Rodgers +63 2 632 5432 crodgers@adb.org</i> | | <i>TTL: Rezaul Khan 632-632-4846 rkkhan@adb.org</i> |
| 12. Project/Program Description: | | | |
| Following are the key project outputs: | | | |
| Output 1: Improved Road Connectivity | | | |
| <p>The project will upgrade 537 km of rural roads, providing year-round connectivity between agricultural production areas and markets and to the other parts of the country. Road upgrading will involve improving existing roads to appropriate climate resilient standards and widening and rising of embankments, with suitable slope protection against erosion and wave action. The road crest level will be 800 millimeter (mm) above the normal annual flood level, with an extra height of 200 mm that will be added for the effective sea level rise to the standard 600 mm freeboard.</p> | | | |
| Output 2: Improved Market Services | | | |
| <p>The project will upgrade 274 rural markets with 15% of space allocated to women. Each market will be connected either to an existing paved road or to one of those to be improved under the project. Infrastructure improvements include paved trading areas, sheds, water supply system, drainage facilities, sanitation facilities, and market offices. Some key elements within the markets, such as, new market sheds will be made climate resilient. These will be raised on concrete plinths to a level above the existing maximum normal monsoon high tide level plus the</p> | | | |

effective maximum sea level rise with an additional 250 mm freeboard.

Output 3: Enhanced Climate Change Adaptation Capacity

Upgraded climate disaster shelters. The project will construct or extend 15 multipurpose cyclone shelters; improve 10 existing cyclone shelters; upgrade 15 km of cyclone shelter access tracks; and construct 5 *killas* (animal shelters). The designs will take into account climate change effects and strict compliance to relevant building codes with respect to wind loading and floor bearing capacities. Access roads/tracks will be upgraded to the equivalent of village road climate resilience standard.

Enhanced knowledge management. Knowledge management for climate change will be enhanced. A framework for expanding institutional learning and knowledge sharing will be developed. This will entail more effective knowledge capture; and compilation, storage and sharing on climate resilience principles for the design, construction and maintenance of rural infrastructure. The project will strengthen the management information system (MIS) and geographic information system (GIS) of the Local Government Engineering Department (LGED); develop a special web-portal interface for learning and networking with other agencies; and support establishing a community of practice.

Enhanced capacity. The capability of LGED staff and local government units will be strengthened to better prepare and manage climate resilient rural infrastructure.

Sectors and Themes:

Sector: Agriculture and natural resources

Subsector: Agriculture and rural sector development

Themes, Economic growth, environmental sustainability and capacity development

13. Objective

The main objective of the project is to reduce poverty and raise incomes in the rural coastal districts of Bangladesh through fostering rural connectivity (rural roads, bridges, culverts, cyclone shelters and markets) in a sustainable and “climate-proof” way. The project will enhance the accessibility of the rural people in the coastal districts to social services, such as health and education and economic opportunities. Widening the all-weather access to markets and livelihood activity will result in improved earnings for the rural poor including the poor women.

14. Expected Outcomes:

The outcome of the project will be enhanced climate resilience of coastal infrastructure in 12 rural coastal districts benefiting the poor and women.

15. Key Results and Indicators for Success (consistent with PPCR Core indicators):

| Result | Indicator |
|--|--|
| (a) Road connectivity improved and climate proofed | 537 kilometers of rural roads upgraded and climate proofed 3050 meters of bridges and culverts upgraded to climate resilient standard |
| (b) Improved market services | 274 rural market upgraded to appropriate climate resilient standard |

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|---|---|
| (c) Enhanced climate change adaptation capacity | <p>25 multipurpose cyclone shelters constructed or improved 15 km of cyclone shelter access tracks upgraded 5 killas (animal shelters) constructed</p> <p>LGED MIS/GIS system enhanced</p> <p>Special web-portal designed and operated</p> <p>Community of Practice established</p> <p>Climate Change Assessment and Adaptation Strategy approved</p> <p>Climate resilient rural infrastructure management plan for LGED approved</p> |
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16. Budget:

| Expenditures | | Amount (USD) - estimates | |
|---|------------------------------|---|--|
| Civil works and goods | | 18.0 million | |
| Consulting services | | 8.3 million | |
| Training, workshops and studies | | 1.5 million | |
| Interest during implementation | | 0.1 million | |
| Contingencies (max. 10%) | | 2.1 million | |
| Total Cost | | \$30 million | |
| Co-Financing: | <i>Amount (USD million):</i> | <i>Type of contribution:</i> | |
| • Government | 31.2 million | Taxes and duties, land acquisition and resettlement, and recurrent cost | |
| • MDB (ADB) | 20.0 million | Concessional loan | |
| • International Fund for Agriculture Development (IFAD) | 60.0 million | \$59 million – concessional loan \$1 million – grant | |
| • KfW | \$8.8 million | Grant | |
| Co-Financing Total | | \$120 million | |

17. Project/Program Timeframe

Expected Board/MDB Management approval date: 28 September 2012
 Expected Mid-Term review date: 15-30 June 2015
 Expected Project/Program closure¹ date: 31 December 2018

18. Role of other Partners involved in project/program:

The Coastal Climate Resilient Infrastructure Project (CCRIP) is a result of a great deal of development coordination by major development partners. It is proposed under the Government of Bangladesh's Strategic Program for Climate Resilience (SPCR), prepared under the Pilot Program for Climate Resilience (PPCR), supported jointly by ADB, World Bank, and IFC. In CCRIP, three development partners (ADB, KfW, and IFAD) are involved and all of whom have

¹ Financial closure date

been active in the sector, and are very familiar with the coastal districts covered by the project. IFAD was previously formulating a separate project, but in June 2012 agreed to merge its proposed project with CCRIP, which created opportunities for significant synergies and will greatly facilitate development coordination over the geographic area (12 districts) of the combined project during the six-year duration of the project.

19. Implementation Arrangements (incl. procurement of goods and services):

The executing agency will be LGED in the Local Government Division of the Ministry of Local Government, Rural Development, and Cooperatives. A project steering committee will provide policy guidance for project implementation. A project management office (PMO), to be established by LGED at its headquarters in Dhaka, will implement the project. The Chief Engineer of LGED will be responsible for project implementation and coordination. The PMO will have one office in each of the three project regions. A project director in Dhaka will be assisted by two deputy project directors; the regional project offices will be responsible for the day-to-day implementation and supervision of project activities. The LGED district offices, headed by executive engineers, will be responsible for implementing subprojects under the guidance of the PMO. The project will closely coordinate with Bangladesh Water Development Board for development interventions. LGED will appoint two groups of consultants: (i) Design and Supervision Consultants, and (ii) Management Support Consultants.

All procurement of civil works, goods and related services will be in accordance with the ADB Procurement Guidelines (2010, as amended from time to time). Bidding packages procured using National Competitive Bidding may follow the Government's Public Procurement Act, 2006 and Public Procurement Rules, 2008, with modifications agreed between the Government and ADB, as set out in the Procurement Plan. All consulting services will be engaged in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).

20. Other Information: