



Strategic Program for Climate Resilience, Bhutan

28 FEBRUARY 2017

Rationale behind Bhutan's SPCR

- Erratic and heavy rainfall impacting agricultural productivity
- Loss of soil fertility
- Extreme weather events exposing infrastructure assets to increasing risk of floods and landslides
- Potential impacts on availability of drinking water and for hydro-energy production (which is a key sector for economic growth and exports) due to changes in precipitation
- To address these issues, GNHC submitted an EoI for funding to PPCR to develop a long term strategic program to address climate resilience
- Bhutan became eligible for PPCR funding to develop a SPCR

Ownership and Process

- ▶ Country owned and led framework identifying vulnerabilities and priorities for mainstreaming climate resilience into development planning and investment which will support the country to formulate its long-term vision on climate resilience.
- ▶ Supported by a coordinated Multilateral Development Bank (MDB) including World Bank (WB) as the lead MDB, International Finance Corporation (IFC) and Asian Development Bank (ADB).
- ▶ SPCR to be developed through an organized and participatory process which includes consultations with national and local government stakeholders, development partners, NGOs, academia and the private sector

Objectives

- ▶ Aligned with the government's national development and climate change related planning priorities. The RGoB's 11th FYP reflects carbon neutral/ green and climate resilient development as one of the national key result areas.
- ▶ Aligned with the World Bank Group (WBG) Country Partnership Strategy (CPS) for FY15-19 that underscores strengthening disaster management and climate resilience as key development priorities
- ▶ Alignment with NAPAs, NAP, INDC
- ▶ Support Bhutan's capacity to develop a programmatic multi-sector and climate resilient investment plan

Strategic Program for Climate Resilience

- Develop through a consultative process laying out a national vision for addressing climate resilience and preparedness, in line with INDC priorities.
- SPCR intends to:
 - i. Develop national consensus through stakeholder consultations
 - ii. Develop a national platform for addressing climate resilience;
 - iii. Identify a roadmap and investment priorities to support its implementation, and
 - iv. Build capacity through the process.
- GNHC will be the coordinating agency and will lead the SPCR preparation process

SPCR - Proposed Framework

- Three Pillars and a cross-cutting Theme
- **Pillar 1: Enhancing Information Base for Resilience**
 - Study 1: Development of climate/asset/vulnerability maps and risk identification and services
- **Pillar 2: Preparedness, Flood and water security**
 - Study 1: Analysis of climate impact on water scarcity and development implementation plan for critical watersheds
 - Study 2: Assessment of flooding hazards, flood mitigation options for flood vulnerable districts (southern belt)



- ▶ **Pillar 3: Sustainable growth and resilient infrastructure**

- ▶ Study 1: Climate Smart Urban Planning and Development

- ▶ Study 2: Options to strengthen Private sector engagement in climate risk management
(Private sector for Climate Resilience)

- ▶ **Cross cutting theme: Strengthening Governance & Institutional Capacity**

- (i) development of a training and capacity building plan and proposals for strengthening climate research and education at the university level through curricula development on atmospheric sciences, meteorology and related fields.

Preparation of SPCR – Two Components

- ▶ **Component A: Development of the SPCR (US\$1.15 million)**

The main objective of this component is to develop the SPCR. It will fund preparation of the SPCR document and the roadmap and strategies for key technical studies in key weather, water, and climate-vulnerable sectors.

- ▶ **Component B: Capacity Building, Consultations, Institutional Coordination, and Project Management (US\$0.35 million)**

The main objective of this component is to strengthen capacity of the RGoB on climate resilience as a part of the preparation of the SPCR.

- ▶ The SPCR development process will be consultative and iterative, drawing on the findings from Component A and enhanced through the consultation and coordination funded through Component B.

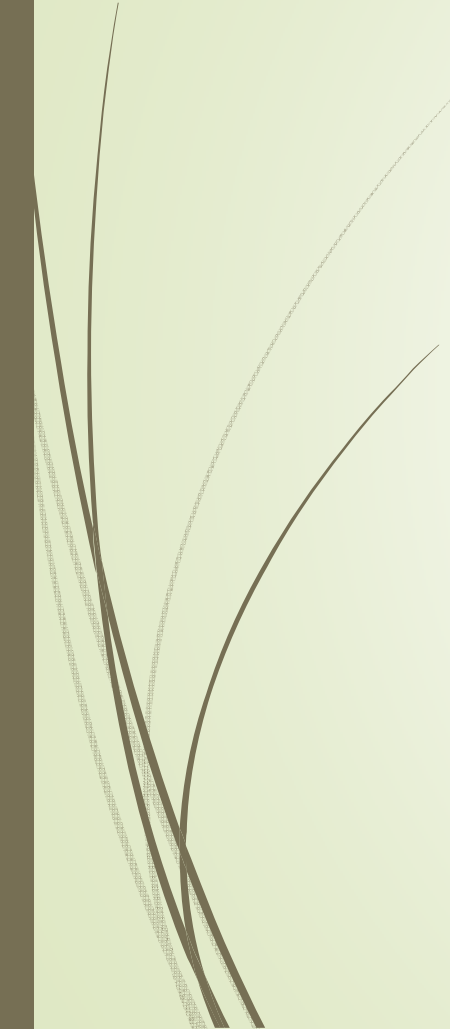


Project Cost and Financing

- Recipient executed Trust Fund grant in the amount of \$ 1.50 m to the RGoB
- Funded through CIF – PPCR
- Eligible expenditures – consultancy services, training, workshops, seminars and incremental operating costs



Way Forward

- Focus on Water, waste and floods and then come up with impactful interventions
 - Institutional capacity building (including specialization and long term)
 - Plan for attracting climate financing
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THANK YOU

SPCR Coordination arrangements

1. PPCR National Steering Committee: Comprises of MoAF, MoEA, MoWHS, MoF, MoIC, MoFA, MoHCA, NEC, BCCI, CSOA and chaired by GNHC Secretary
2. PIU: to be headed by the Chief of the responsible Division under GNHC
3. Project Coordinator: to be hired by GNHC
4. Technical working group: to be led by the Head of the PIU of GNHC and consist of focal persons from the lead technical agencies identified to carry out the technical studies



Financial Management

- ▶ RGoB Funding modality to be followed
 - ▶ Fund to be transferred from GNHC to concerned agencies through Government Budget Fund Account
 - ▶ Technical studies with lead agency and collaborating agencies
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