



चौरिदेउराली गाउँपालिका



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## USAID'S TAYAR NEPAL - PRAYATNA PROJECT

Enhancing Resiliency of the Local Communities of Chaurideurali Rural Municipality through Low-cost Bio-engineering Interventions for Disaster Risk Reduction and Management (DRRM-PRAYATNA)

Project Duration: February 2021 – October 2021

### Project Background

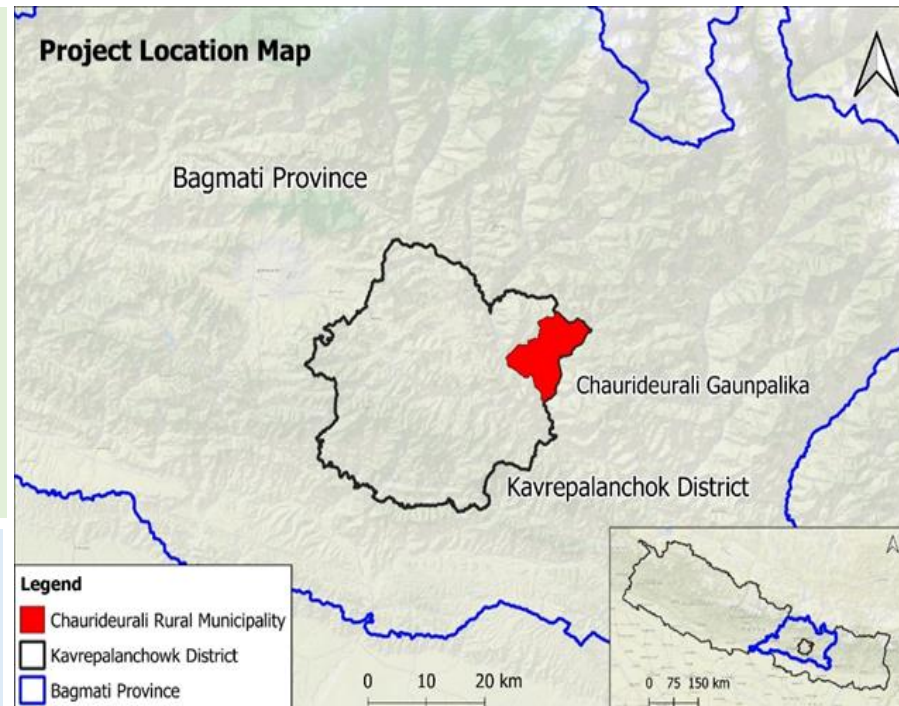
This project has been designed and planned with the key objectives of introducing adaptable, replicable, and scalable low-cost bio-engineering technologies to mitigate hazards such as soil erosion, debris flow and shallow landslides as well as enhancing the capacity of local governing bodies on disaster risk reduction and management (DRR/M) and building resilience of the local communities of Chaurideurali Rural Municipality on DRR/M.

### Project Location

Chaurideurali is a Rural Municipality located in the Kavrepalanchowk District of the Bagmati Province of Nepal. The rural municipality has an area of 98 square kilometers, with a total population of 20,829 according to a 2011 Nepal census. It lies in the hilly area of Nepal and is highly vulnerable to disasters and hazards. Each year, the rural municipality faces landslides leading to the crop damages, blockade of roads, livestock losses and sometimes even casualties. Therefore, this municipality has been chosen as the pilot project area to introduce and demonstrate low-cost bio-engineering interventions.

### Objectives

- ❖ To mitigate hazards such as soil erosion, debris flows and shallow lands piloting adaptable, scalable and sustainable low-cost bio-engineering technologies
- ❖ Enhancing the capacity of local governing bodies on DRRM including bio-engineering interventions



Location map showing Chaurideurali Rural Municipality (Target Project Area)

### Summary of Project Implementation Plan

- ❖ Feasibility study of the sites where the planned structures are to be demonstrated
- ❖ Demonstration of bio-engineering interventions such as bamboo check dams, brush layering, fascines, palisades, etc.
- ❖ Provide training to the local on the bio-engineering practices with theoretical knowledge and on site hands on training
- ❖ Develop IEC materials such as brochure, video documentary

### Expected Outcomes

- ❖ Adapt and scale up low-cost bio-engineering techniques by Chaurideurali Rural Municipality within its illustrative area in future.
- ❖ Allocate resources by Chaurideurali Rural Municipality for disaster management such as shallow landslide, soil erosion, gully formation, etc.
- ❖ Enhance awareness level and capacity of community people in coping with disaster/landslide.

### Few observed landslide and slope failure areas in the project area

