



MILLENNIUM
CHALLENGE CORPORATION
UNITED STATES OF AMERICA



Electricity Transmission Project MCA Partnership Program

Millennium Challenge Account Nepal

13 October 2023

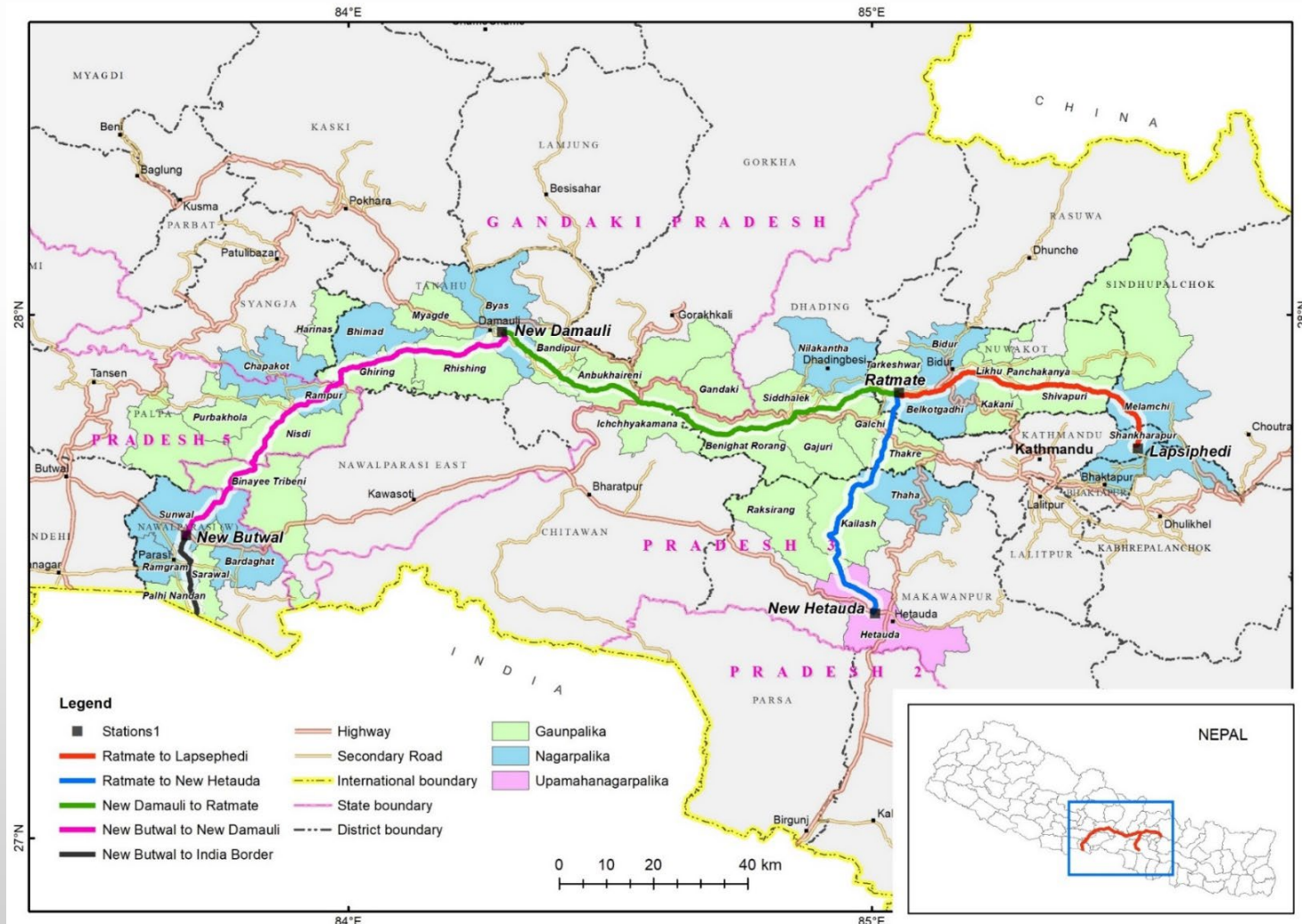


Electricity Transmission Project Overview

- **A Component of Nepal's Electricity Transmission Line System**
- **GoN has declared this as a National Pride Project.**
- **400 kV Quad Moose Double Circuit Transmission Line**
- **Approximate Route Length - 315 km**
- **Approximate 856 no. Transmission Towers**
- **Across 10 Districts, 30 Municipalities and 99 Wards**
- **3 Substations**
- **MCA Partnership Program Activities**
- **Technical Assistance to NEA and ERC**



Map of Transmission Line Route





MCA Partnership Program

- **The MCA Partnership program is the benefit-sharing component of the Electricity Transmission Project (ETP).**
- **Objective**
 - **To ensure that project-related benefits are accrued by the project communities.**
 - **To help build good relationships with the project communities.**
- **Goal**
 - **Build trust and rapport and share the ETP benefits with the affected communities and to develop relationships with the project communities for smooth and timely project completion.**



MCA Partnership program

Current Status

Framework Report

- **Baseline Survey**
- **Need identification**
- **Finalization of the thematic areas.**

Sub-Activity Report

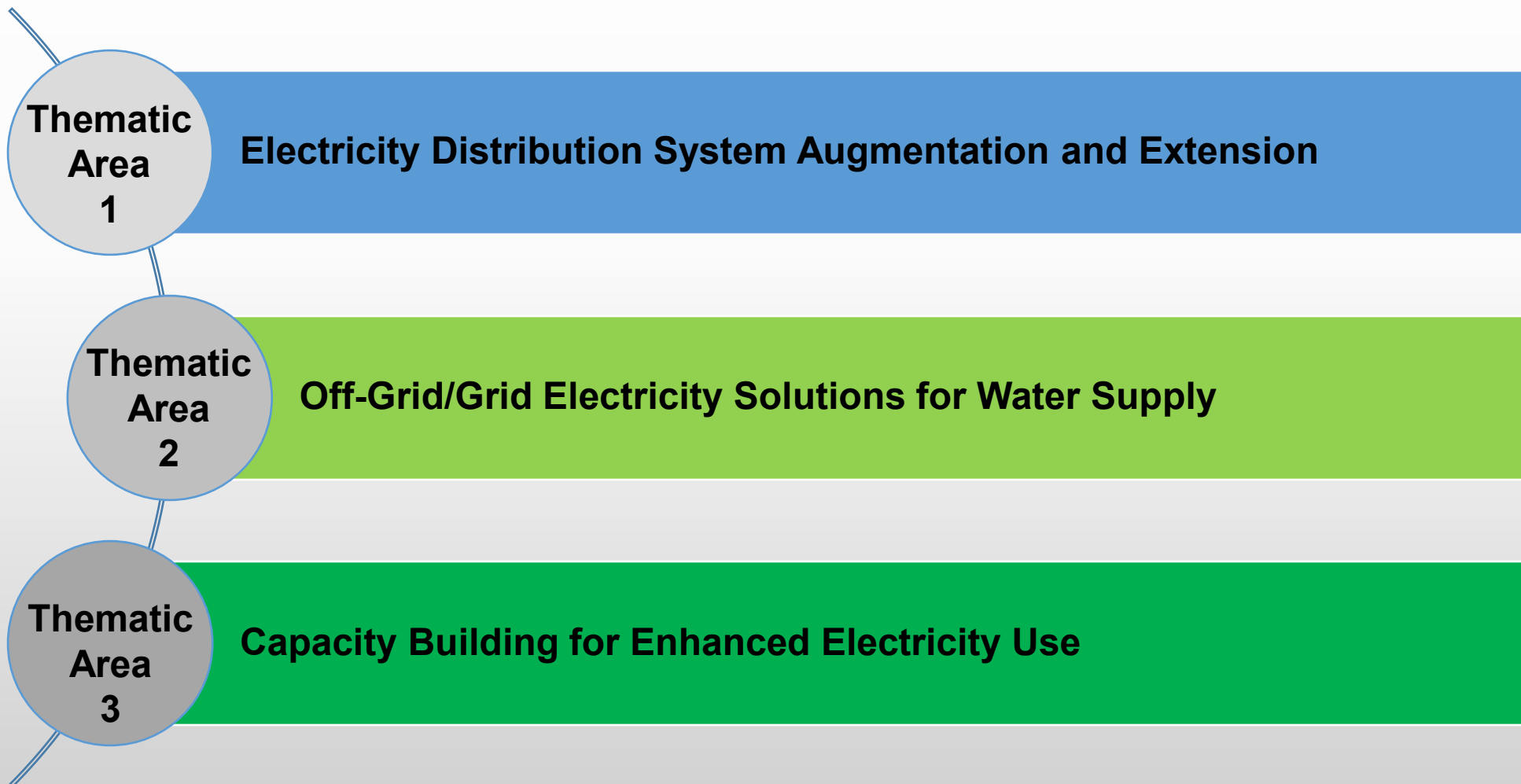
- **Additional data of thematic area 1**
- **Consultation with the Wards/Municipalities**
- **Priorities of the Wards**

Survey and Verification

- **Preliminary Field Survey of distribution system augmentation and extension**
- **Discussion with NEA and wards**
- **Verification of the field survey data**



MCA Partnership program





Procurement of Works Contractor for “Thematic Area 1: Electricity Distribution System Augmentation and Extension”

Thematic Area 1 (Works Contract) Scope of Work

1

Distribution System Grid Extension

2

Pole Replacement

3

Transformer Replacement/Upgradation

4

Conductor and Accessories Replacement



Electricity Distribution System Augmentation and Extension

Approximate Work Quantity

Distribution system Grid
Extension

1

- Approximately 100 km
- 11 kV DOG Conductor

Pole Replacement

2

- Approximate 4000 Nos.
- 9 m and 11 m

Transformer
Replacement/Upgradation

3

- Approximate 180 Nos.
- 11/0.4 kV - 50 kVA, 100 kVA, 200 kVA

Conductor and Its
Accessories Replacement

4

- Approximate 500 km of 400 V
- LT ACSR Conductor to AB Cable



Key Stakeholders for Distribution System Augmentation and Extension

STAKEHOLDER

Nepal Electricity Authority

NEA DCS of affected Districts

Municipalities of Affected Districts

Ward Representative of Affected Municipalities

Communities of the Affected Municipalities/Wards



Distribution System Augmentation and Extension Implementation Strategy

Procurement (Based on MCC Small Works –Single stage)

Survey and Revision of BOQ

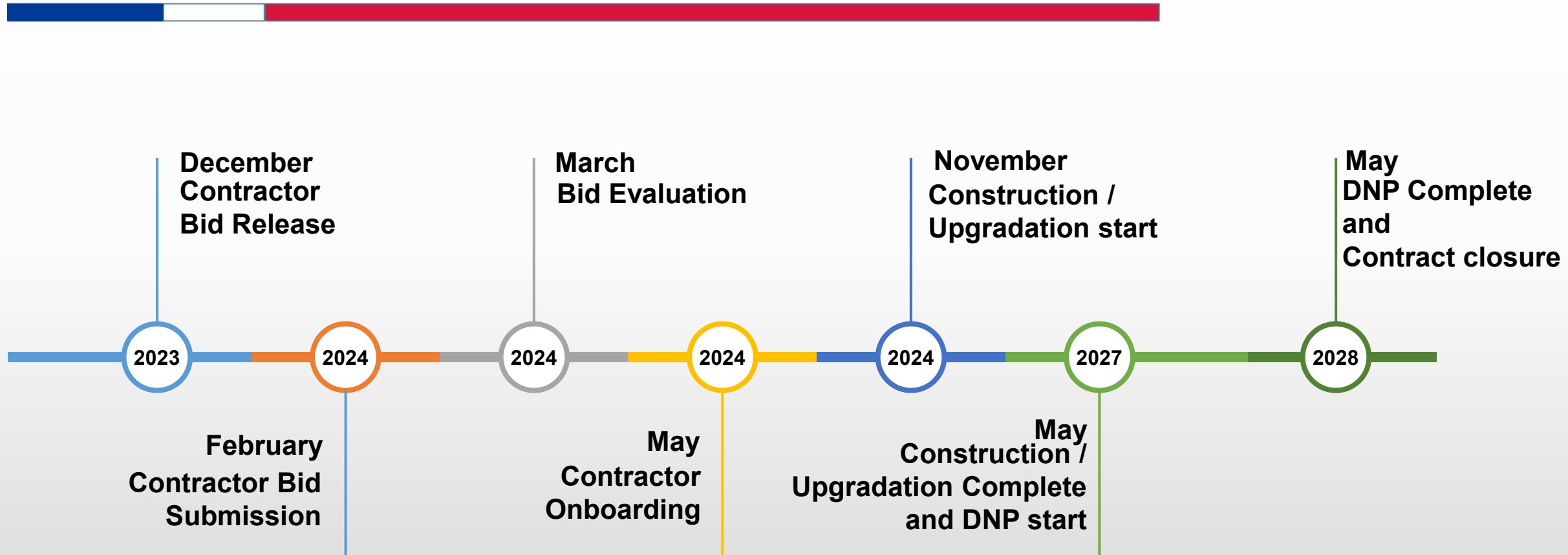
Coordination with relevant stakeholders

Construction/Upgradation work

Testing, Commissioning and Energization



Electricity Distribution System Augmentation and Extension Timeline





Challenges



1st

10 Districts, 30 Municipalities, 99 Wards



2nd

Coordination with stakeholders



3rd

**Construction/upgradation
Timeline**



Procurement of Supervision Consultant (Engineering Firm) for Thematic area 1

Engage and Assist MCA Nepal in Implementing Works Contract

Construction supervision of the works contract

Technical services to MCA-Nepal to act as an Consultant

Supervising the works for timely completion while ensuring control on Quality, Cost and time



Supervision Consultant (Engineering Firm) Scope of Service

Review and approval of contractor's submittals, construction works quality assurance plan

Project management, monitoring and supervision

Gender and social inclusion perspective

Environmental, social, health and safety monitoring

Regular process and progress reporting

Coordination among employer, stakeholders and work contractor,

Supervision of testing and commissioning on completion

Taking over and close out,

Defects notification period (DNP) and post DNP,

Support MCA-Nepal in avoidance of any disputes and assist in dispute resolution.



Supervision Consultant (Engineering Firm) Thematic area 1





Environmental and Social Consideration

Policy and Guidelines

- MCA-Nepal ESHSMP (Environmental, Social, Health and Safety Management Plan)
- Grievance Redress Mechanism outlined in the Stakeholder Engagement Plan (SEP) of MCA-Nepal.
- IFC Performance Standard 1-8 as required.

Scope of Work

- Develop and implement Contractor's ESHSMP based on MCA Nepal ESHSMP
- Undertake clear consultation and communication with local people and associated stakeholders during construction



Gender and Social Consideration

Policy and Guidelines

- **MCC Gender Policy, Counter-TIP Policy, Inclusion and Gender Strategy**
- **MCA-Nepal Social and Gender Integration Plan, 2020**
- **MCA-Nepal TIP Risk Management Plan, 2023**

Scope of Work

- **Prevention of Gender-Based Violence, Sexual Harassment, Child Employment**
- **Prevention of Trafficking in Persons (TIP) Risk**
- **Labor and Employment Opportunities including women employment**



Fostering economic growth with better access to electricity and roads.