

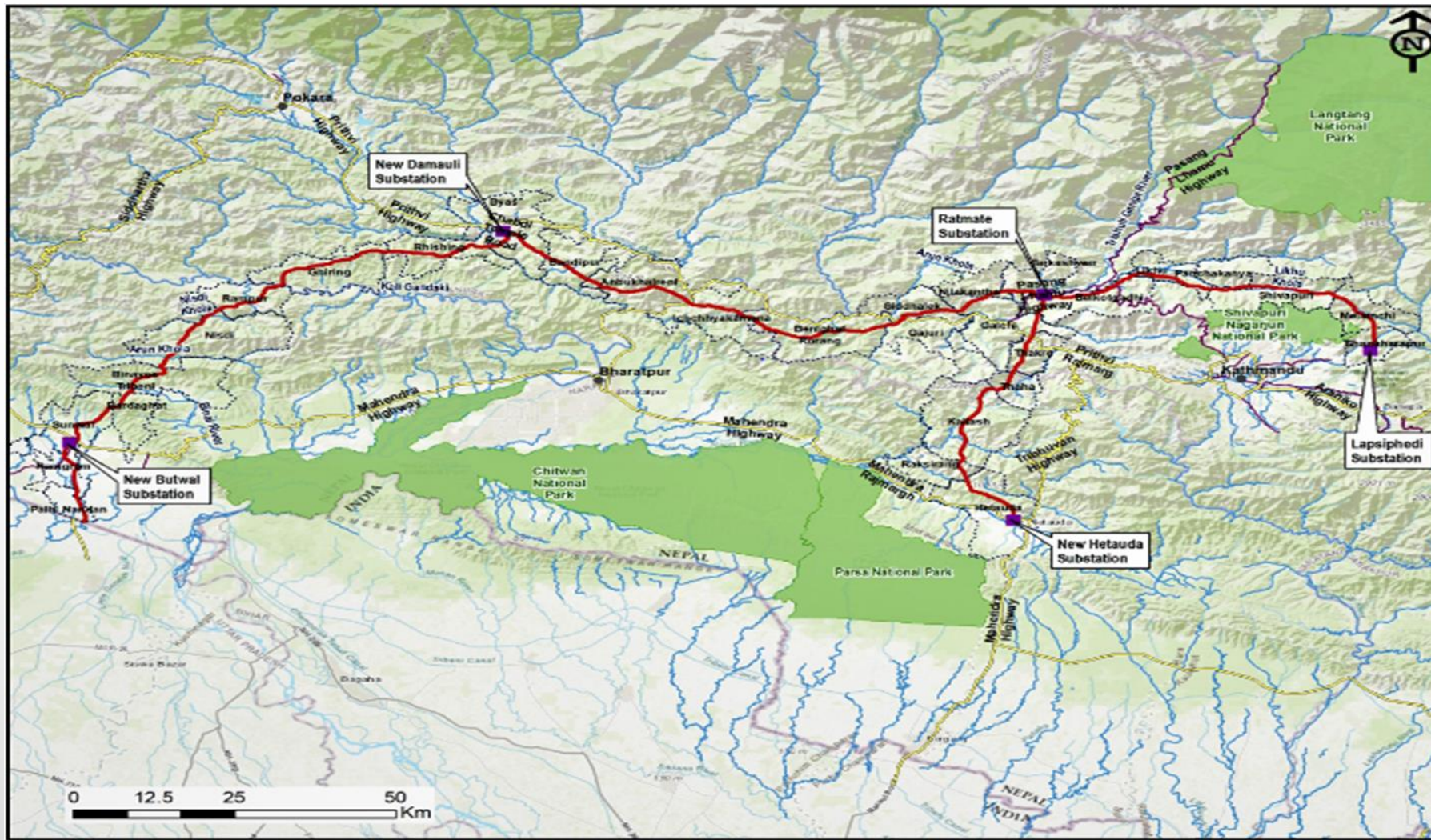


# Millennium Challenge Account Nepal (MCA-Nepal)

## Electricity Transmission Project (ETP) Substations Activity

Kathmandu, 20 September 2022

# Project Location (route map)



**KTM-GALCHI-  
RATMATE S/S : 62 km**

**KTM-MUGLING-NEW  
DAMAULI S/S : 153 km**

**KTM-NARAYANGHAT-  
NEW BUTWAL S/S :  
239 km**

# Substation Details- Ratmate S/S



<b>Parameter</b>	
<b>Location</b>	<b>Nuwakot District</b>
<b>Coordinate</b>	<b>27°51'3.89"N, 85° 3'11.79"E</b>
<b>Type</b>	<b>GIS</b>
<b>System Voltage</b>	<b>400 kV and 220 kV</b>
<b>Bus Configuration</b>	<b>breaker-and-a-half for both 400kV and 220kV side</b>
<b>Transformation Capacity</b>	<b>1,000 MVA, through (6+1) *167MVA, Single Phase Auto Transformer</b>

# Substation Details- New Damauli S/S



Parameter	
Location	Tanahu District
Coordinate	27°58'3.57"N, 84°17'41.25"E
Type	GIS
System Voltage	400 kV
Bus Configuration	breaker-and-a-half
Transformation Capacity	1,000 MVA, through (6+1) *167MVA, Single Phase Auto Transformer



# Substation Details- New Butwal S/S



Parameter	
Location	Nawalparasi-West District
Coordinate	27°34'25.63"N, 83°41'19.44"E
Type	GIS
System Voltage	400 kV
Bus Configuration	breaker-and-a-half
Transformation Capacity	630 MVA, through 2*315MVA, Three Phase Auto Transformer

# Key Information about BID



- **~3.5 years contract duration**
- **Plant and Design-Build Contract (FIDIC Yellow Book)**
- **Expected date of bid launch: Jan 2023**
- **Quality-Price Based Selection(QPBS)**
- **Expected contract signing date: Oct 2023**

# Project Preparation and Construction Supervision



- **Preliminary Design and Tender Document elements prepared by Project Preparation and Technical Supervision Services(PPTS) Consultant in 2020**
- **Tender document revision under finalization.**
- **ENGINEER, once hired, will be mainly responsible for**
  - **reviewing final design/drawings from the CONTRACTOR and approving them**
  - **ensuring quality of production/construction, installation, testing and commissioning works**
  - **ensuring compliance of MCC and/or IFC guidelines and standards regarding Environmental and Social (E&S) Aspects, Gender and Social Inclusion Aspects (GSI) and Health and Safety (H&S) Aspects**

# Safeguard Documents

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- **Environmental and Social Management System (ESMS)**
- **Resettlement Policy Framework (RPF)**
- **Resettlement Action Plan (RAP) and Livelihood Restoration Plan (LRP)**
- **EIA/ESIA**
- **Social and Gender Inclusion Plan (SGIP)**
- **MCC Policy Provisions**



# Land Acquisition, Compensation and Resettlement Activities



## Land acquisition status for three main substations:

- **New Butwal Substation:** Land has been acquired by NEA for 400kV S/S
- **New Damauli Substation:** Land has been acquired by NEA for 400kV S/S
- **Ratmate Substation:** Land Acquisition (total ~20 hectare), compensation distribution and resettlement largely completed. Livelihood Restoration Program is ongoing. All above as per policy provisions made in MCA-Nepal's RPF which is based on Land Acquisition Act(LAA) of Nepal, 1977 and IFC PS 5

# Environmental and Social Consideration



- ✓ **Comply MCA-Nepal ESHSMP (Environmental Social Health and Safety Management Plan) and ESMS (Environment and Social Management System).**
- ✓ **Develop and implement CESHMP (Contractors Environmental Social Health and Safety Management Plan) in line with MCA-Nepal ESHSMP.**
- ✓ **Comply and implement Grievance Redress Mechanism (GRM) outlined in the Stakeholder Engagement Plan (SEP).**
- ✓ **Undertake meaningful communication with local people and associated stakeholders during construction.**

# Health and Safety Protocol



- **Orientation/ training to be provided to staff and workers against workplace health and safety hazards.**
- **Site specific health and safety plan to be prepared and implemented including use of appropriate PPE (Personal Protective Equipment).**
- **Follow the necessary protocol established by the EMPLOYER and ENGINEER.**
- **Immediately update the EMPLOYER and ENGINEER for any project related issues.**

# GSI Consideration for Transmission Line



- ✓ **Comply MCA-Nepal Social and Gender Integration Plan (SGIP).**
- ✓ **Develop and implement Trafficking-in-Persons Risk Management Plan.**
- ✓ **Employment opportunities for Socially disadvantaged groups like women, *dalits, Janajati, etc.* should be a priority.**
- ✓ **Ensure safe and harassment free workplace**

# Project Task and Sensitivity



- **National Pride Project**
- **Follow National and MCC Environmental Guidelines, Policy provisions and IFC Performance Standards on Environmental and Social Sustainability.**
- **Absolute need to “be” and “look” Politically neutral in every aspects during project construction.**
- **Follow MCC Gender Policy and Counter Trafficking-in-persons policy.**

<https://www.mcc.gov/resources/doc/gender-policy>

<https://www.mcc.gov/resources/doc/policy-counter-trafficking-in-persons>





## For more information

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- For MCC-funded business opportunities, please visit:

[www.mcc.gov/work-with-us](http://www.mcc.gov/work-with-us)

- For information on MCA-Nepal business opportunities, please visit: [www.mcanp.org](http://www.mcanp.org)

- For Q&A regarding the procurement, please contact:

[info@mcanp.org](mailto:info@mcanp.org)



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