ASIAN DEVELOPMENT BANK

Nepal: South Asia Subregional Economic Cooperation Power Transmission and Distribution System Strengthening Project

Project Name	South Asia Subregional Economic Cooperation Power Transmission and Distribution System Strengthening Project		
Project Number	50059-003		
Country	Nepal		
Project Status	Proposed		
Project Type / Modality of Assistance	Grant Loan		
Source of Funding / Amount	Loan: South Asia Subregional Economic Cooperation Power Transmission and Distribution System Strengthening Project		
	concessional ordinary capital resources lending / Asian Development Fund US\$ 200.00 million		
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration		
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships Private sector development		
Sector / Subsector	Energy - Electricity transmission and distribution		
Gender Equity and Mainstreaming	Effective gender mainstreaming		
Description	The Asian Development Bank (ADB) will provide a loan to the Government of Nepal (the government) to (a) upgrade 220/132 kilovolt (kV) substations to 400/220/132 kV substations to enable electricity generated from independent power producer (IPPs) plants in the Khimti hydropower corridor to be exported to India; (b) construction of three 132/11 kV substations in Teku, Koteshwor, and Thapathali which will increase supply capacity into the Kathmandu Valley; (c) modernizing and reinforcing four distribution centers around Kathmandu Valley to be able to meet increasing domestic demand for electricity; and (d) construction of 33 kV, 11 kV, and 0.4 kV lines and substations to facilitate connection of approximately 150,000 new customers in Nepal's Province 2 in the country's southeast region The proposed project complements the efforts of Millennium Challenge Corporation (MCC) to strengthen parts of Nepal's high-voltage transmission network and complete Nepal's portion of the second cross-border transmission line with India for increasing electricity trade.		
Project Rationale and Linkage to Country/Regional Strategy	Nepal is a landlocked, mountainous country located between large and fast-growing economies of People's Republic of China to the north and India to the east, west, and south. It is classified as a low-income, least developed country with gross national income (GNI) per capita of \$800 in 2017. The government is pursuing an accelerated growth path for Nepal to become a lower-middle income country by 2030, with a per capita GNI of at least \$1,026. Nepal has long recognized that the development of its large hydropower potential is an important cornerstone for poverty reduction and economic growth. Sector challenges. Following years of facing chronic electricity shortages during Nepal's dry winter months, Nepal Electricity Authority (NEA) has made significant improvements in electricity supply over FY2016 2017 and FY2017 2018. This was achieved through a combination of (I) increased electricity imports from India (around 400 MW); (III) increased etarsmission capacity and operational flexibility by commissioning of new transmission facilities; and (III) better load management of major industrial customers. However, the transmission system continues to need strengthening for smooth power flows from power supply locations to the load centers. At the same time, even though about 63% of the population in Nepal has access to electricity from the main grid, the supply has been unreliable and inadequate. These require immediate upgrading and expansion of the distribution system. The ongoing challenges NEA is facing may be characterized by: (I) inadequate generation capacity be expecially during dry season; (II) insufficient transmission and distribution capacity; (III) high technical and commercial losses especially in Province 2 due to under-performing and aging assets with poor collection efficiency and inadequate tariff; and (IV) lack of institutional capacity to years and export the excess electricity to India and Bangladesh. The government has recognized the immediate need to reinforce and upgrade transmission lines an		

Outcome	Access, reliability, efficiency of power supply in Nepal im	proved		
Outputs	Power system transmission capacity increased Distribution system in Kathmandu Valley and Bharatpur i Distribution network in Province 2 improved	modernized with high-level technology		
Geographical Location	n Nation-wide			
Safeguard Categorie	S			
Environment		В		
Involuntary Resettler	nent	В		
Indigenous Peoples		В		
Summary of Environ	mental and Social Aspects			
Environmental Aspects				
Indigenous Peoples				
During Project Design				
During Project imple	mentation			
Business Opportunit	ies			
Consulting Services	A project supervision consultant will be hired to support NEA in implementing the project. Procurement (including consulting services) will follow ADB Procurement Policy (2017, as amended from time to time) and Procurement Regulations for ADB Borrowers (2017, as amended from time to time). As requested by NEA, advance contracting and retroactive financing will be considered, subject to a ceiling of 20% of the loan amount and a time limit of not more than 12 months prior to the date of the respective loan agreement.			
Procurement	The EA has been implementing ADB projects and has a PMD in place. Under the PMD, a Project Management Unit will be established and supported by project management consultants. Project procurement classification B is appropriate			
Bochonsible ADP Off	icor	liwan C. Achanya		
Responsible ADB Department		South Acia Department		
Responsible ADB Div	ision	Energy Division SARD		
Executing Agencies		Nepal Electricity Authority (NEA) P. O. Box 5352 Kathmandu Nepal		
Timetable				
Concept Clearance		05 Oct 2019		
Fact Finding		30 Sep 2019 to 04 Oct 2019		
MRM		25 Nov 2019		
Approval		•		
Last Review Mission		-		
Last PDS Update		05 Oct 2019		

Project Page	https://www.adb.org/projects/50059-003/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=50059-003
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