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ADB

Business Opportunities in South Asian Countries (Energy Sector)

6 October 2021

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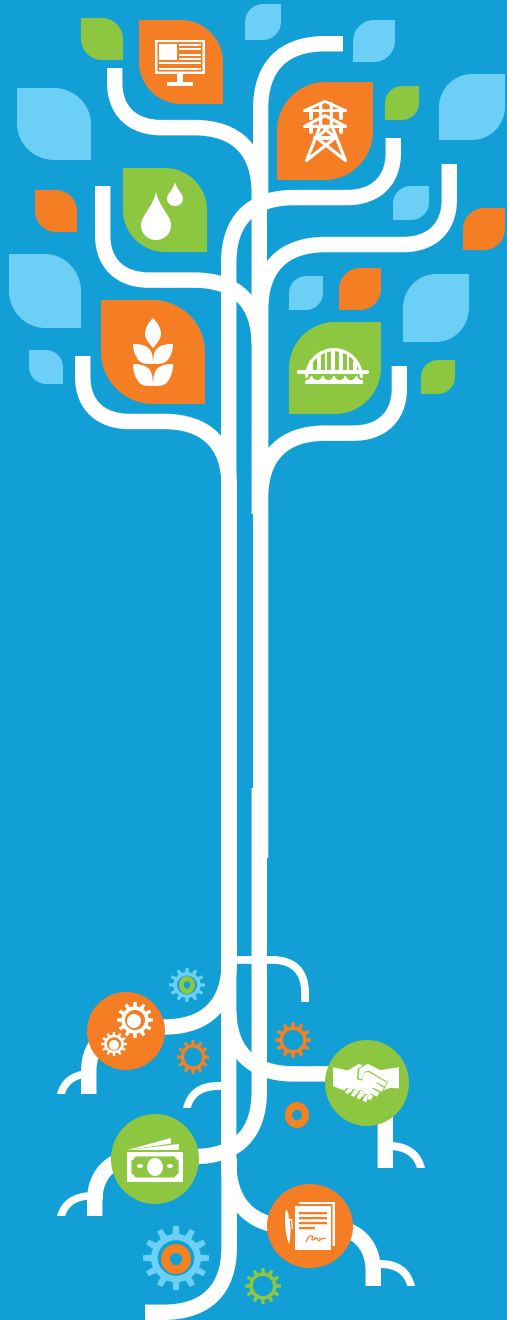
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BUSINESS
OPPORTUNITIES



Business Opportunities under Ongoing Projects

Country	Loan No.	Project Title	Procurement Package	Cost Estimates (\$ million)	IFB Posting
BAN	L3853	Dhaka and Western Zone Transmission Grid Expansion Project	400kV & 230kV transmission lines	29.88	Q3 2022
			400kV/230kV/132kV underground cable lines and 400kV/230kV transmission lines	25.9	Q1 2022
			400kV/230kV GIS substation (2)	67.6	Q4 2021
			400kV/230kV GIS substation (1)	73.3	Q4 2021
	L4039	Bangladesh Power System Enhancement and Efficiency Improvement Project - additional financing	Conductor and Wire (underground cable)	11	
			SPC Poles	24	Q2 2022
			SPC Poles	24	Q2 2023
		SS1 - Substation on Turnkey Basis	91.7	Q1 2022	
NEP	L4014	Electricity Grid Modernization Project	Grid Substation Automation (Outside Kathmandu Valley)	14	Q4 2021
			Design, supply, install and commissioning of Smart meter in Kathmandu Valley (Phase II)	35.7	Q4 2021
	L4109	Electricity Grid Modernization Project - Additional Financing	Construction of 10km 132kV underground line from Chobar to Lagankhel and augmentation of substation in Lagankhel	14.4	Q1 2022
			Construction of 132 kV Kohalpur Nepalgunj Transmission Line and associated Substations at Nepalgunj	9.6	Q1 2022
			Supply and Installation of Enterprise Resource Planning (ERP)	5.6	Q4 2021

New Pipelines in Bangladesh (2022-2023)

Energy Sector Business Opportunities in Bangladesh

Dhaka Power System Expansion and Strengthening Project

- Loan amount: \$152 million
- The project's aims to enhance electricity distribution network in Dhaka area through construction of 132/33/11 kV and 33/11 kV gas-insulated substations along with necessary distribution lines and electrical equipment
- Bidding process expected to commence in Q1 2022

Gas Sector Efficiency Improvement Project (Prepaid metering)

- Loan amount: \$387 million
- The project's aims to improve gas sector efficiency and safety by installing 1.6 million nos. of prepaid meters in franchise areas of TGTDC, PGCL, KGDCL and BGDCL
- Bidding process expected to commence in Q2 2022

Energy Sector Business Opportunities in Bangladesh

Sonagazi & Feni 100 MW Solar Power Plant Project

- Loan amount: \$130 million
- The project will scale up renewable energy generation and help Bangladesh to meet its committed RE generation plan
- Bidding process expected to commence in Q3 2022

Southwest Power Transmission Grid Expansion Project

- Loan amount: \$80 million
- The project will construct transmission infrastructure ensuring adequate and reliable electricity supply to the rural areas of Bangladesh's southwestern region.
- Bidding process expected to commence in Q1 2023

New Pipelines in India (2022)

Energy Sector Business Opportunities in India

Title	Scope	Key Procurement Package
<p>[2022 Standby] RBL: Second Phase of Scaling Up Demand Side Energy Efficiency Sector Project</p> <p>\$200 (\$172 million OCR and \$28 million CTF) PO: C Jung</p>	<ul style="list-style-type: none"> Improving energy efficiency Distributed Solar PV, Smart meters, EVs, and Battery Energy Storage System (BESS). 	<ul style="list-style-type: none"> Packages for Distributed Solar, Smart Meters, Electric Vehicles, and BESS (\$ tbc, Q1-Q2 2023).
<p>[2022 Firm] Tripura Power Generation Upgradation and Distribution Reliability Improvement Project</p> <p>\$220 million PO: J. Kolantharaj</p>	<ul style="list-style-type: none"> Distribution Strengthening Generation efficiency Improvement 	<ul style="list-style-type: none"> ~ \$100 million – Distribution Substations and lines (bidding completed and evaluation in progress) Smart metering ~ \$14 million, HVDS pilot ~ \$10 million (expect bidding in Q4 2021) \$110 million – 120MW CCGT power plant (expect bidding in Q4 2021/Q1 2022)

Energy Sector Business Opportunities in India

Title	Scope	Key Procurement Package
<p>[2022 Firm] Uttarakhand Transmission Strengthening and Distribution Improvement Project</p> <p>\$200 million PO: J. Kolantharaj</p>	<ul style="list-style-type: none"> • Transmission Strengthening • Distribution Improvement 	<ul style="list-style-type: none"> • \$90 million (132kV, 220kV, and 400kV substations and its associated transmission lines) – expect bidding by Q1 2022. • \$110 million (underground cabling of 33kV, 11kV, and selected LT lines , and its associated infrastructure in Dehradun city) – expect bidding by Q1 2022.
<p>[2022 Standby] Rajasthan Renewable Energy Transmission Investment Program (tranche 3)</p> <p>\$170 million (\$60 million OCR and \$110 million CTF) PO: Vallabh K.</p>	<ul style="list-style-type: none"> • To establish bulk power transmission system to evacuate power from renewable energy generating plants being put up in western Rajasthan and integrate renewable energy sources with state grid. 	<ul style="list-style-type: none"> • Total 10 packages (\$244 million). ADB funding will be up to \$170 million only. 2022 -) • covering (i) construction of new substations (400 kV and 220 kV), (ii) new transmission lines (400 kV, 220 kV, and 132 kV), (iii) augmentation of existing substations (400 kV, 220 kV and 132 kV), (iv) reactive power compensation and installation of power flow control devices, and (v) reconductoring of selected 220 kV and 132 kV existing transmission lines.



New Pipelines in Nepal (2022-2023)

Energy Sector Business Opportunities in Nepal

- Dudh Koshi Hydropower Project
 - Scope: 635 MW Storage Hydro, 105 km 400 kV transmission line, Rural Electrification and Policy Support for approval in 2022 with total cost of \$2.2 billion (ADB: \$550 million)
 - Key procurement packages with indicative IFB issuance:
 - Project supervision consultant firm in Q1 2022
 - Safeguards consultant firm in Q1 2022
 - Rural electrification in Q2 2022
 - Hydro-mechanical, electro-mechanical and transmission line in Q2 2023
- Transmission Line Strengthening Project
 - Scope: 400 kV transmission line from Butwal-Lamahi-Dododhara for approval in 2023 with \$350m



Energy Sector Business Opportunities in Nepal

- Key procurement packages with indicative IFB issuance:
 - Project supervision consultant firm in Q2 2023
 - Transmission line in Q3 2023
 - Substation in Q3 2023
- Lower Seti Hydropower Project
 - Scope: 104 MW hydropower project for approval in 2023/24 with \$150 million
 - Key procurement packages with indicative IFB issuance:
 - Project supervision consultant firm in Q4 2023
 - Hydro-mechanical, electro-mechanical and transmission line in Q1 2024



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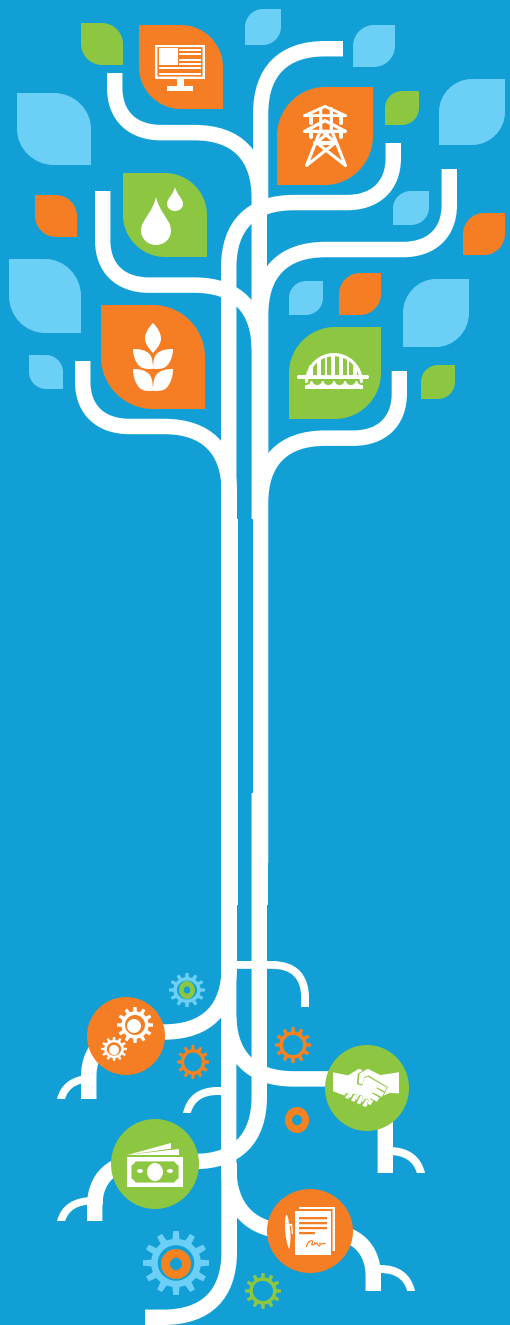
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THANK YOU!

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