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Business Opportunities in Energy Sector South Asia Region



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11TH BUSINESS OPPORTUNITIES FAIR 2023
4 - 5 OCTOBER 2023 | 9:00AM - 5:00PM | MANILA

ADB's Strategic Direction for Energy Sector (2022-2030)

- **Decarbonization:** deployment of renewable energy; phase-out of coal; development of policies and regulations to support low-carbon technologies.
- **Decreasing energy intensity:** increase in energy efficiency investments; support demand-side energy efficiency planning.
- **Digitalization:** smart meters; demand-side energy efficiency, artificial intelligence for predictive grid management and grid resilience.
- **Decentralization:** distributed generations, renewable-energy-based micro/mini-grids, home systems, energy storage systems.



Country Partnership Strategies

❖ Bangladesh:

- (i) improve the reliability of electricity supply; (ii) expand renewable energy generation; (iii) strengthen power transmission and distribution network; (iv) support supply and demand-side energy efficiency measures; (v) foster regional energy trade; (vi) prioritize energy sector reform; and (vii) promote private sector investment and participation.

❖ Bhutan:

- (i) support hydropower; (ii) invest in alternative renewable energy sources, including solar power, biogas, and wind power; (iii) promote efficient use of energy through policies reform; (iv) harness carbon market; and (v) promote private sector development and operations.



Country Partnership Strategies

❖ India:

- (i) renewable energy generation and energy efficiency in industries; (ii) power sector reforms and improved operational efficiency of distribution companies; (iii) carbon market operations; (iv) energy storage and new technologies including green hydrogen, battery energy storage systems, pumped hydro-storage, district cooling etc.; (v) just energy transition with livelihood enhancement of affected populations; (vi) private sector investment and participation.

❖ Maldives

- (i) expand renewable energy in outer islands and resorts; (ii) upgrade distribution grid to a system; (iii) install hybrid PV energy-efficient diesel systems and battery storage; (iv) support waste-to-energy, (v) explore hydrogen, and (vi) promote private sector investment and participation.



Country Partnership Strategies

❖ Nepal

- (i) support infrastructure development (generation from storage-type hydropower projects, transmission lines and distribution systems); (ii) support energy efficiency; (iii) increase energy trade, particularly exports; (iv) support energy sector reforms; and (v) promote private sector investment.

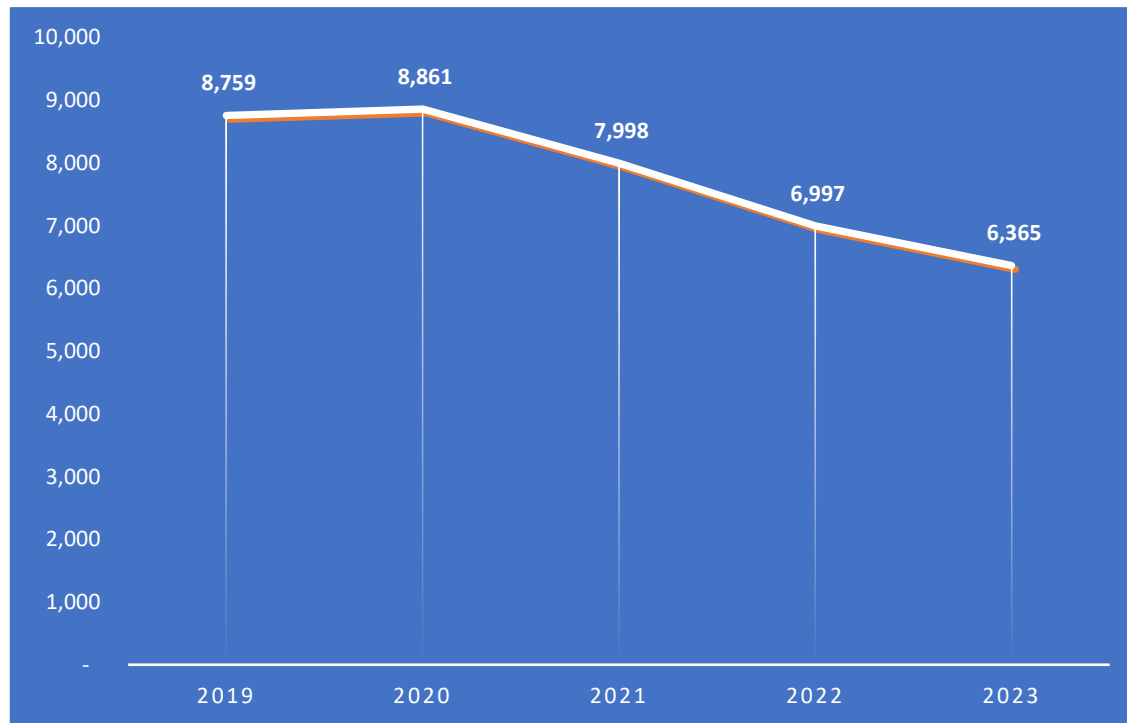
❖ Sri Lanka

- (i) expand nontraditional renewable energy using wind, solar and introduce innovation and advanced technology; (ii) encourage regional cooperation initiatives; (iii) promote private sector participation and investment.

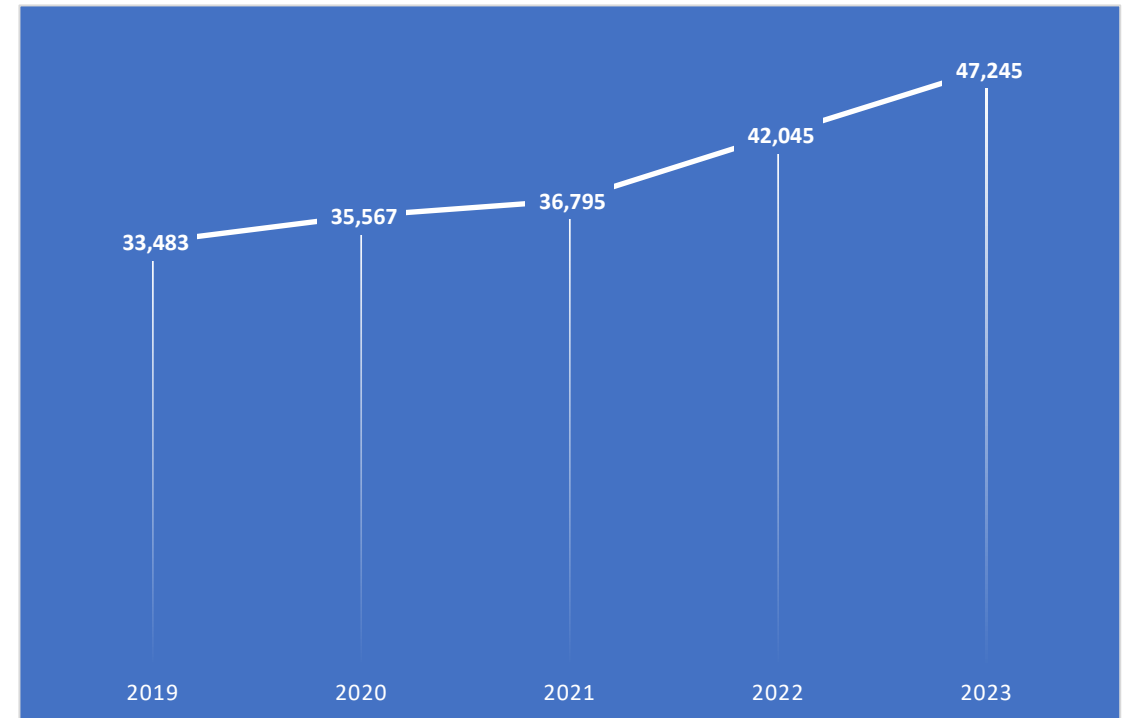


Status of Energy Sector Operations (2019 - 2023)

Active Project Portfolio (\$ million)



Active TA Portfolio (\$'000)



Indicative Lending Pipeline (2023-2026)

Country	2023	2024-2026	
	Indicative Amount (\$ million)	Indicative Amount (\$ million)	Investment Directions
Bangladesh	360	2000	Solar, EE, T&D, PBL
Bhutan	5	450	Solar, hydro
India	453	3000	Solar, hydro, biogas, T&D, PBL
Maldives	50	80	RE, green mobility
Nepal	-	800	Hydro, T&D
Sri Lanka	100	700	RE, T&D, sector reform
Total	968	7030	



Indicative Nonlending Pipeline (2023-2026)

Country	2023	2024-2026	
	Indicative Amount (\$ million)	Indicative Amount (\$ million)	Investment Directions
Bangladesh	3.5	8	RE, demand-side EE, waste-to-energy, PPP, green fuel expansion
Bhutan	-	7	Rooftop solar, clean cooking, heating, and EE, green hydrogen
India	4.3	15	Green hydrogen, solar, distributed RE, EVs, BESS, biogas, T&D,
Maldives	2	2	Green mobility
Nepal		2	Hydro, T&D
Sri Lanka	4	5	Sector reforms, T&D, EE, RE
Total	13.8	39	



Business Opportunities



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Note: Projects are indicative, pending ADB Management and Board approval, and approval timelines are subject to change.

Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
BAN	Dhaka Power System Expansion and Strengthening Project	Design, supply, installation, testing and commissioning of 132 KV underground transmission line on turnkey Basis	45	Q1-Q2 2024
	Smart Metering Energy Efficiency Improvement Project	Supply and installation of prepaid gas meters and regulators: Lot 1: 333,000 smart prepaid gas meters Lot 2: 320,000 smart prepaid gas meters	86.25 86.75	Q1-Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
IND	Tripura Power Distribution Strengthening and Generation Efficiency Improvement Project	High voltage distribution system and its associated facilities	20	Q4 2023 – Q1 2024
	Uttarakhand Transmission Strengthening and Distribution Improvement Project	Turnkey contract for supply, erection, and commissioning of 220/132/33 kV AIS Sub station	12.31	Q1-Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
	Scaling Up Renewable Energy in Madhya Pradesh Project	High voltage transmission line and its associated facilities	20	Q2-Q3 2024
MLD	Accelerating Sustainable System Development Using Renewable Energy Project	Advanced battery energy storage systems and its associated investments for 2 islands (Flow battery)	7.0	Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
		Distribution network and its associated equipment for grid upgrades	12	Q2 2024
		Solar PV panels, inverters and its associated equipment for rooftop applications	3.5	Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
		Wind -battery hybrid system and its associated equipment	3	Q2 2024
		Renewable energy-based farming system and its associated equipment	4.5	Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
		Installation and commissioning of distribution grids covering 20 islands	2.5	Q2 2024
NEP	SASEC Power Transmission and Distribution Strengthening Project	Upgrading existing 132 kV double circuit transmission line and construction of a new 132 kV substation in Pokhariya	30	Q1-Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
		Construction of 132 kV underground transmission line and 132/66/11kV substation	20	Q1-Q2 2024
	Electricity Grid Modernization Project	Smart metering in Katmandu Valley (2nd Phase)	35.7	Q1-Q2 2024



Procurement of Works, Goods and Nonconsulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
	Electricity Grid Modernization Project	Supply and installation of enterprise resource planning (ERP)	21	Q1-Q2 2024



Consulting Services



Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
BAN	Public-Private Partnership Capacity Building on Oversight and Implementation, and Supporting Gender Mainstreaming	<p>Consulting firm to support capacity building on the potential public-private partnership projects in energy sector</p> <p>Consulting firm and/or non-government organization to assist in implementation of the gender action plan.</p>	0.75	Q1 – Q2 2024



Consulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
BAN	Promoting Energy Transition, Safety, and Energy Efficiency in the Energy Sector Project	Consulting firm to produce energy transition and decarbonization strategy for gas distribution sector	0.86	Q1 - Q2 2024
		Consulting firm to develop methane leakage, loss reduction and operational efficiency improvement plan for gas distribution sector	0.32	Q1 – Q2 2024



Consulting Services

Country	Project Title	Package	Estimated Cost (\$ million)	Bidding Schedule
BHU	Project Readiness Financing (PRF)	Hydropower detailed engineering studies	TBD	Q1-Q2, 2024
MLD	Accelerating Sustainable System Development Using Renewable Energy Project	Consulting firm to support project management unit.	2	Q3 2024



Thank You!

