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12TH ASIAN DEVELOPMENT BANK BUSINESS OPPORTUNITIES FAIR 2024 9-10 OCTOBER 2024 | 9 A.M. to 5 P.M. | ADB HEADQUARTERS, MANILA

Business Opportunities in Energy Sector, Central West and East Asia; South Asia Region

Lei Zhang, Unit Head, Project Administration Energy Sector Office, Sectors Group 9 OCTOBER 2024



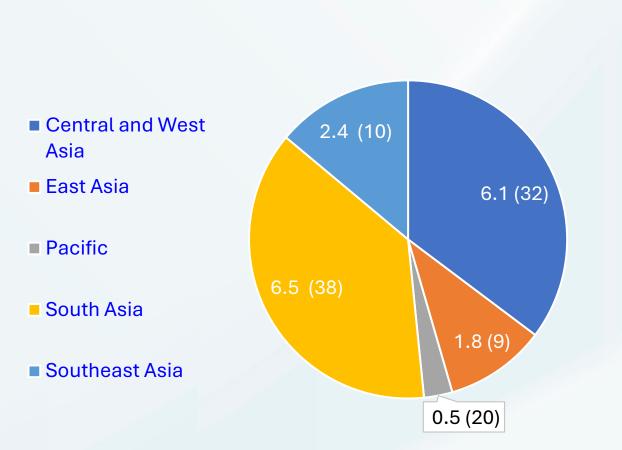
ADB

Overview- Lending Portfolio (Energy)

ITIES FAIR 2024

ELOPMENT BANK

OBER 2024 9 A.M. to 5 P.M. ADB HEADQUARTERS, MANILA



12TH

9-10 OCT

Energy Sector Active Lending: \$17.25 billion

Top 10 DMCs by active lending portfolio



PAK BAN IND PRC INO UZB AFG SRI TKM



ADB

Overview- Non-lending Portfolio (Energy)

RTUNITIES FAIR 2024

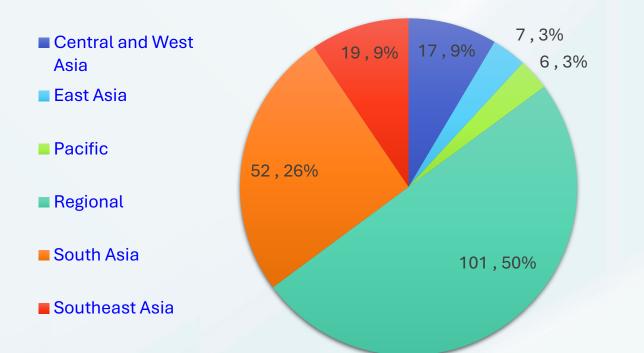
DEVELOPMENT BANK

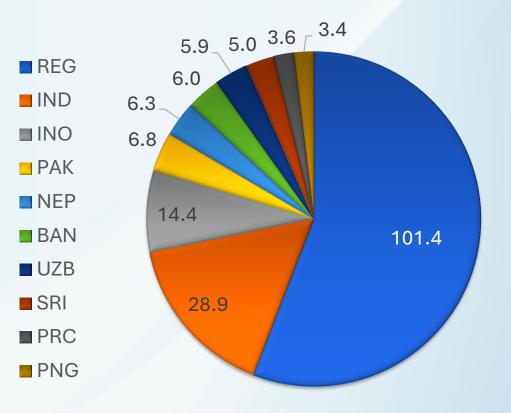
9-10 OCTOBER 2024 9 A.M. to 5 P.M. ADB HEADQUARTERS, MANILA

Energy Sector Active TAs: \$203 million

12TH ASIAN

Top 10 DMCs by active TA portfolio









Indictive Lending Pipeline 2024-2026 (Energy)

TUNITIES FAIR 2024

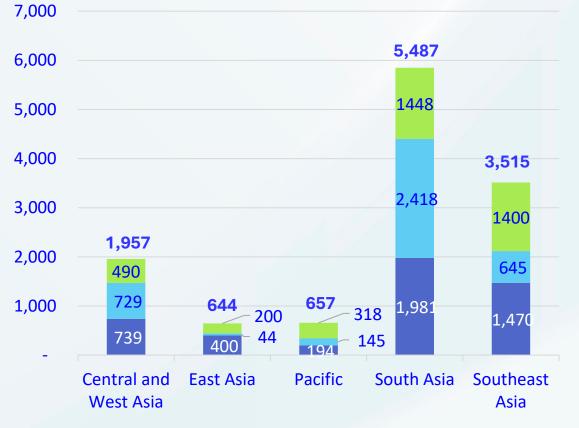
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Volume \$ billion

12TH

Number of projects





2024 2025 2026



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 BUSINESS OPPORTUNITIES FAIR 2024

 9-10 OCTOBER 2024
 9 A.M. to 5 P.M.

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Central West and East Asia Region: Our Priorities (2024-2026)

Energy Security –increased availability, sustainable yet affordable pricing	 New infrastructure, Rehabilitation of aging and inadequate infrastructure
Energy efficiency –increased generation with same resources	 Change consumer behavior Improve efficiency from demand side
Sector sustainability	 Policy reform to improve financial performance Increase private investment
Low carbon energy transition	 Low carbon energy transition in urban area Low carbon energy transition in rural area
Regional Integration	 Energy sharing to boost energy security





FUNITIES FAIR 2024

Installation & Rehab of T&D lines and Substations (UZB, PAK, TAJ, TKM) EPC of Hydropower

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- Balakot (PAK), Uch Kurgan & Toktogul (KGZ), Rogun (TAJ)
- **Transport Electrification**
- Electric buses (KGZ)
- Metering (PAK, TAJ, UZB)
- Solar development
- Floating solar (KGZ and AZE)
- https://www.adb.org/projects/tenders



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 BUSINESS OPPORTUNITIES FAIR 2024

 9-10 OCTOBER 2024
 9 A.M. to 5 P.M.

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Projected Lending Commitment (\$ Million)

Region/Country	2024	2025	2026	Remarks
CWEA	1,139	772.5	690	
Afghanistan				
Armenia				
Azerbaijan				
Georgia	103	3		electricity T&D energy sector development and institutional reform
Kazakhstan				
Kyrgyz Republic		0.5	70	RE generation-solar; electricity T&D
Pakistan	215	200		large hydropower generation; electricity T&D RE generation-solar
Tajikistan	36	250	10	electricity T&D Large hydropower generation; EE and conservation
Turkmenistan				
				RE-solar; RE-wind; energy sector development and institutional
Uzbekistan	385	275	410	reform; electricity T&D
Mongolia		44		electricity T&D RE-PSHP; Clean heating- GSHP
				EE and RE integrated with urban housing, rural low-carbon energy
PRC	400		200	transition;





Projected Non-lending Commitment (\$ Million)

Country/\$ mil	2024	Remarks
CWEA	8.13	
Afghanistan		
Armenia		
Azorbaijan	0 50	energy sector development and institutional reform; energy utility services; capacity development
Azerbaijan		
Georgia		energy sector development and institutional reform; capacity development
Kazakhstan	1.50	energy sector development and institutional reform, research and development
Kyrgyz Republic	0.95	energy efficiency and conservation; capacity development
Pakistan	1.0	capacity development
Tajikistan		
Turkmenistan	1.05	research and development
Uzbekistan		
Mongolia	1.0	energy sector development and institutional reform; capacity development; policy advice
		Research on urban buildings life-cycle decarbonization; research on RE integrated
PRC	1.73	agriculture development, ecology rehabilitation and environmental protection



12TH ASIAN DEVELOPMENT BANK BUSINESS OPPORTUNITIES FAIR 2024

9-10 OCTOBER 2024 | 9 A.M. to 5 P.M. | ADB HEADQUARTERS, MANILA



Opportunities (under Ongoing Projects)

Loan # Courty Project Description Procurement Package Name Cost Estimate Type Advert Date 4149/0808 KG2 Urban Transport Electrification Project (formerly Promotion of Electric Buses in Bishek) Coli Works for Bus Depot (Shelters and Lighting) 2.50 OCB: Works 04 2024 4271 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Electrical Works for Bus Depot (Electric Supply) 3.00 OCB: Works 04 2024 4383 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Procurement of Solo KV, 220 KV, 132 KV Control, Reby, AC/DC 3.00 OCB: EPC 04 2024 4383 PAK Power Transmission Strengthening Project Plant design, supply, installation, testing and commissioning of 220KV DC Winh Bundle Trule from Bund Read G/S to NKLP G/S 41.00 OCB: EPC 04 2024 4326 UZB Digitize to Decarbonize—Power Transmission Grd Enhancement Rehabilitation and modernization of substations - Dat 2: high-voltage substations (Substation 220 KV VZ afer and Substation 220 kV 'Tegyz dobd' (GI S substations) 98.00 OCB: EPC 04 2024 4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and modernization of substat						Contract	
4149/0808 KGZ Urban Transport Electrification Project (formerly promotion of Electrific Buses in Bishkek) Civil works for Bus Depot (Shetters and Lighting) 2.50 OCB: Works 04 2024 4271 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Electrical Works for Bus Depot (Shetters and Lighting) 3.00 OCB: Works 04 2024 4383 PAK Power Transmission Strengthening Project Plant - design, supply, installation, Testing & Cormissioning di 2.50 0CB: Works 0CB: EPC 04 2024 4383 PAK Power Transmission Strengthening Project Plant - design, supply, installation, Testing & Cormissioning di 220 kV DiC Twin Bundle Trunch Read G/S to NkLP G/S di 1.00 0CB: EPC 04 2024 4326 UZB Digitize to Decarbonize—Power TransmissionGrid Rehabilitation of High-voltage substations - Dackage: EPC-005 0CB: EPC 04 2024 4347 UZB Distribution Network Digital Transformation and Resilication and Resilication and Resilication and Resilications, Fergana, Samarkand, Syrdarya, Namangan, Dizzak, Bukhara, Karakalpakstan) 98.00 0CB: EPC 04 2024 Fypeline Projects Forcurrement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2.2) 100.271 0CB: EPC 04 2024 57259-001	Loan #	Country	Project Description	Procurement Package Name	Cost Estimate	Туре	Advert Date
Promotion of Electric Buses in Bishkek) Q4 2024 4271 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Electrical Works for Bus Depot (Electric Supply) 3.00 OCB: Works Q4 2024 4271 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Procurement of 500 kV, 220 kV, 132 kV Control, Relay, AC/DC Panels along with Design Installation, Testing & Commissioning 3.47 OCB: EPC Q4 2024 4383 PAK Power Transmission Strengthening Project Practurement of Telecom Equipment alongwith Design, Installation, Testing & Commissioning 4.35 OCB: EPC Q4 2024 4383 PAK Power Transmission Strengthening Project Producement of Telecom Bund Road G/S to NKLP G/S 41.00 OCB: EPC Q4 2025 4326 U2B Digitize to Decarbonize—Power Transmission Grid Rehabilitation of 4 high-voltage substations - Lot 2: Ly figh-voltage 21 Aug. 0224 (Dealline: 21 VCB 2000d" (GIS substations - Lot 2: Ly figh-voltage 21 Aug. 0224 (Dealline: 21 VCB 2000d" (GIS substations - D2 iz Jgh-voltage 21 Aug. 0224 (Dealline: 21 VCB 2000d" (GIS substations - D2 iz Jgh-voltage 21 Aug. 0224 (Dealline: 21 VCB 2000d" (GIS substations - D2 iz Jgh-voltage 21 Aug. 0224 (Dealline: 21 VCB 2000d" (GIS substations - D2 i							
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4271 PAK Second Power Transmission Enhancement Investment Program, Tranche 4 Procurement of 500 kV, 220 kV, 132 kV Control, Relay, AC/DC Panels along with Design Installation, Testing & Commissioning 3.47 OCB: EPC Q4 2024 4383 PAK Power Transmission Strengthening Project Procurement of Telecom Equipment along with Design, Installation, Testing & Commissioning 0 4.35 OCB: EPC Q4 2024 4383 PAK Power Transmission Strengthening Project Plant – design, supply, Installation, Testing and commissioning of 220kV D/C win Bundle T/Line from Bund Road G/S to NKLP G/S 41.00 OCB: EPC Q4 2024 4326 UZB Digitize to Decarbonize—Power Transmission Grid Enhancement Rehabilitation of 4 high-voltage substations 20 kV 'Zafar' and Substation 220 kV 18.31 OCB: EPC Q4 2024 4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and moderization of substations - Package: EPC-005 (Tashkent Region, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) 98.00 OCB: EPC Q4 2024 57259-001 PAK Power Distribution Strengthening Project Procurement of STG equipment for 25 grid stations (LESCO). - EPC of APMS 15 St00 ounts (LESCO, MEPCO and SEPCO). - EPC of APMS 15 St00 ounts (LESCO, MEPCO and SEPCO). - EPC of APMS 15 St00 ounts (LESCO, MEPCO and SEPCO). - EPC of APMS			Promotion of Electric Buses in Bishkek)		2.50	OCB: Works	Q4 2024
Investment Program, Tranche 4Panels along with Design Installation, Testing & Commissioning3.47OCB: EPCOdd 20244383PAKPower Transmission Strengthening ProjectPlant - design, supply, installation, tresting and commissioning of 20kV D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S4.38OCB: EPCOdd 20244383PAKPower Transmission Strengthening ProjectPlant - design, supply, installation, testing and commissioning of 20kV D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S41.00OCB: EPCOdd 20254326UZBDigitize to Decarbonize—Power Transmission Grid EnhancementRehabilitation of 4 high-voltage substations - Lot 2: 2 high-voltage substations (Substation 20k V Tzfar" and Substation 220 kV0CB: EPC04 20264347UZBDistribution Network Digital Transformation and Resiliency ProjectRehabilitation and modernization of substation 220 kV18.31OCB: EPC02B: 02C4448-001GEOEnergy Storage and Green Hydrogen Gas Development ProjectProcurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) EES+HV package)96.036OCB: EPC04 202457259-001PAKPower Distribution Strengthening ProjectProcurement of STG equipment for 25 grid stations (LESCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). * EPC of AMI 332,000					3.00	OCB: Works	Q4 2024
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4383 PAK Power Transmission Strengthening Project Plant – design, supply, installation, testing and commissioning of 220kV D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S 4.35 O/E: EPC 04 2024 4383 PAK Power Transmission Strengthening Project Plant – design, supply, installation, testing and commissioning of 220kV D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S 41.00 O/E: EPC 04 2026 4326 UZB Digitize to Decarbonize—Power Transmission Grid Rehabilitation of 4 high-voltage substation 220 kV 21 hug, 2024 (21 hug, 2024 4347 UZB Distribution Network Digital Transformation and Medmization of substations Package: EPC-005 0CB: EPC 0CB: EPC 0C4 2024 4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and modernization of substations - Package: EPC-005 0CB: EPC 0CB: EPC 0C4 2024 Pipeline Projects For unrement of Plant - Design, Supply, and Installation:: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) 100.271 04 2025 54448-001 GEO Energy Storage and Green Hydrogen Gas Development Project Procurement of STG equipment for 25 grid stations (LESCO). 4.235 0CB: EPC 01 2025 57259-001 PAK Power Distribution Stren			Investment Program, Tranche 4	Panels along with Design Installation, Testing & Commissioning	3.47	OCB: EPC	Q4 2024
4383 PAK Power Transmission Strengthening Project Plant - design, supply, installation, testing and commissioning of 220KV DC Twin Bundle T/Line from Bund Read G/S to NKLP G/S 41.00 OCE: EPC O4 2025 4326 UZB Digitize to Decarbonize—Power Transmission Grid Enhancement Rehabilitation of 4 high-voltage substations - Lot 2: 2 high-voltage substation 220 kV 18.31 OCE: EPC O4 2025 4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and modernization of substations - Package: EPC-005 (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Dizzak, Bukhara, Karakapakstan) 98.00 OCE: EPC O4 2026 Pipeline Projects Energy Storage and Green Hydrogen Gas Procurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) 000.221 04 2025 57259-001 PAK Power Distribution Strengthening Project - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO), MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). - Consulting services (LESCO, MEPCO and SEPCO). - C				Procurement of Telecom Equipment alongwith Design, Installation,			
4326 UZB Digitize to Decarbonize—Power Transmission Grid Enhancement 220k V D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S 41.00 OCB: EPC Q4 2025 4326 UZB Digitize to Decarbonize—Power Transmission Grid Enhancement Rehabilitation of 4 high-voltage substations > Lot 2: 2 high-voltage substations (Substation 220 kV 'Zafar' and Substation 200 kV 'Zafar' and Substation 2				Testing & Commissioning	4.35	OCB: EPC	Q4 2024
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Image: construct of code for Transmission Line (var lots)20.00OCB: Goods044 20264326UZBDigitize to Decarbonize—Power Transmission GridRehabilitation of 4 high-voltage substations - Lot 2: 2 high-voltage substations (Substations)18.31OCB: EPC21 Aug. 20244347UZBDistribution Network Digital Transformation and Resiliency ProjectRehabilitation and modernization of substations - Package: EPC-005 (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Djizzak, Bukhara, Karakalpakstan)98.00OCB: EPC04 2024Pipeline Projects54448-001GEOEnergy Storage and Green Hydrogen Gas Development ProjectProcurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package)96.036OCB: EPC04 202557259-001PAKPower Distribution Strengthening Project58309-001UZBSecond Distribution Network Digital Transformation and Resiliency ProjectRehabilitation and modernization of substations (LESCO), - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - EPC and M 332,000 units (LESCO, MEPCO and SEPCO). - EPC are all bundled cable (LESCO, MEPCO and SEPCO). - EPC are all bundled cable (LESCO, MEPCO and SEPCO). - EPC are all bundled cable (LESCO, MEPCO and SEPCO). - Consulting services (LESCO, MEPCO and SEPCO). - Consulting				220kV D/C Twin Bundle T/Line from Bund Road G/S to NKLP G/S	41.00	OCB: EPC	Q4 2025
4326 UZB Digitize to Decarbonize—Power Transmission Grid Rehabilitation of 4 high-voltage substations - Lot 2: 2 high-voltage substation 20 kV 18.31 OCB: EPC (Deadline: 21 Oct. 2024) 4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and modernization of substations - Package: EPC-005 (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Dizzak, Bukhara, Karakalpakstan) 98.00 OCB: EPC OCB: EPC O4 2024 Pipeline Projects				Procurement of Goods for Transmission Line (var lots)			
Image: construct of the second project"Fayzobod" (GIS substations)Image: construct of the second project (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Dizzak, Bukhara, Karakalpakstan)Oct. 2024)4347UZBDistribution Network Digital Transformation and Resiliency ProjectRehabilitation and modernization of substations - Package: EPC-005 (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Dizzak, Bukhara, Karakalpakstan)98.00OCB: EPCQ4 2024Pipeline Project54448-001GEOEnergy Storage and Green Hydrogen Gas Development ProjectProcurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package)100.271100.27154448-001GEOEnergy Storage and Green Hydrogen Gas Development ProjectProcurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package)100.271100.27157259-001PAKPower Distribution Strengthening Project- Procurement of STG equipment for 25 grid stations (LESCO). ' - EPC of APMS 15,800 units (LESCO, MEPCO and SEPCO). ' - Consulting services (LESCO, MEPCO and SEPCO). 	4326	UZB	Digitize to Decarbonize—Power Transmission Grid	Rehabilitation of 4 high-voltage substations - Lot 2: 2 high-voltage			
4347 UZB Distribution Network Digital Transformation and Resiliency Project Rehabilitation and modernization of substations - Package: EPC-005 (Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Djizzak, Bukhara, Karakalpakstan) 98.00 OCB: EPC Q4 2024 Pipeline Projects 54448-001 GEO Energy Storage and Green Hydrogen Gas Development Project Procurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) 100.271 100.271 54448-001 GEO Energy Storage and Green Hydrogen Gas Development Project Procurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) 100.271 100.271 57259-001 PAK Power Distribution Strengthening Project - Procurement of STG equipment for 25 grid stations (LESCO). - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO. - EPC of AMI 332,000 units (LESCO, MEPCO and SEPCO). - Consulting services (LESCO and SEPCO). - Consulting and Resiliency Project 150 OCB: EPC Q3 2025			Enhancement	substations (Substation 220 kV "Zafar" and Substation 220 kV	18.31	OCB: EPC	(Deadline: 21
Resiliency Project(Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan, Djizzak, Bukhara, Karakalpakstan)98.00OCB: EPCQ4 2024Pipeline ProjectsCProcurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package)100.271Q4 2024Image: Construct of the system o				"Fayzobod" (GIS substations)			Oct. 2024)
Image: constraint of the second Distribution Network Digital TransformationDjizzak, Bukhara, Karakalpakstan)Image: consulting services (LESCO, MEPCO and SEPCO). 	4347	UZB	Distribution Network Digital Transformation and	Rehabilitation and modernization of substations - Package: EPC-005			
Pipeline Projects Out 2024 54448-001 GEO Energy Storage and Green Hydrogen Gas Development Project Procurement of Plant - Design, Supply, and Installation: A climate and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) 100.271 100.271 Image: Comparison of the system of the			Resiliency Project	(Tashkent Region, Fergana, Samarkand, Syrdarya, Namangan,	98.00	OCB: EPC	
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Development Project and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) and disaster resilient Battery Energy Storage System (Lot 1 & 2) (BESS+HV package) Image: Construction of the system of the sy	Pipeline Pro	jects					
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Enhancement - Phase 2 104 OCB:EPC Q3 2025		UZB	•	Rehabilitation and modernization of TLs and substations (3 lots)			
			Enhancement - Phase 2		104	OCB:EPC	Q3 2025





Opportunities (under Ongoing Projects)

<u>https://www.adb.org/projects/tenders</u>

https://www.adb.org/projects/documents/ind-51308-008-pp

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	Search tenders		Q
Country/Economy (2) [CLEAR]	Results 1-20 of 90		RSS Sort by -
Azerbaijan		vitation for Bids $ imes$	RSS Sort by ▼
Bangladesh			
Bhutan	4271-PAK: Second Power Transmission Enha	ancement Status:	Deadline:
Cambodia	Investment Program - Tranche 4	Active	28 Oct 2024
China, People's Republic of	48078-006; Pakistan; Energy; Posting date: 11 Sep 202	24	
Cook Islands	Notice Type: Invitation for Bids		
	Approval Number: 4271		
Sectors (1) [CLEAR]	4271-PAK: Second Power Transmission Enha	ancement Status:	Deadline:
Agriculture, natural resources and	Investment Program - Tranche 4 48078-006; Pakistan; Energy; Posting date: 11 Sep 202	Active	30 Oct 2024
Education	Notice Type: Invitation for Bids		
✓ Energy	Approval Number: 4271		

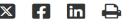
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ADB ASIAN DEVELOPMENT BANK	WHO WE ARE	WHAT WE DO	WHERE WE

 \clubsuit > What We Do > Projects > Documents > Uttarakhand Climate Resilient Power Syst...

Uttarakhand Climate Resilient Power System Development Project: Procurement Plan

Procurement Plans | March 2023

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Procurement plans describe and update the procurement of major goods, works and consulting services either ongoing or expected to take place related to a project or program.

This document dated 20 March 2023 is provided for the ADB project 51308-008 in India.



Lending pipeline 2024-2025

ADB

Approval Yr DMC	Project Lead	Modality	Project Name	Total (\$M)
2024 GEO	Adnan Tareen	Project	Energy Storage and Green Hydrogen Gas Development Project	147
2024 PAK	Areg Barseghyan	PRF	Hydropower Development (WAPDA) Project Readiness	17.3
2025 PAK	Seung Duck Kim	Project	Power Distribution Strengthening Project	300
2024 PRC	Yun Zhou	FIL	Ningbo Urban Green and Low-Carbon Development Project	517.8
2025 PRC	Lei Zhang	RBL	Shaanxi Low-Carbon and Integrated Urban-Rural Sustainable Development Project	1344.98
2024TAJ	Serik Zharkinbayev	Project	Reconnection to the Central Asian Power System Project - Additional Financing	15
2024TAJ	Daler Qubodbekov	Project	Golovnaya 240-Megawatt Hydropower Plant Rehabilitation Project - Additional Financing	21.15
2025 UZB	Martin Jaer	PCG	Solar PPP Investment Program Tranche2 (Guzar Solar Project)	10
2024 UZB	Adnan Tareen	PBL	Power Sector Reform Program, Subprogram 2	408
2025 UZB	Yun Ji Suh	PCG	UZB: Samarkand 1 Solar PV and BESS Project	75
2025 UZB	Alfredo	Project	Second Distribution Network Digital Transformation and Resiliency Project	365
2025 UZB	Nana G.	Project	Digitize to Decarbonize: Power Transmission Enhancement Project – Phase 2	124
2025 UZB	Nana G.	Project	Digitize to Decarbonize: Power Transmission Enhancement Project – Phase 2	124
				\$ 3,345.2



Non-lending pipeline 2024-2025

	• • •		
Country	PTL	TA Name	\$000
ARM	Areg Barseghyan	TA 6959-ARM Viability Assessment of Wind Energy Projects (additional financing)	325
AZE	Nana Gurgenidze	Azerbaijan District Heating Optimization and Decarbonization	500
		TA Subproject 3- Strengthening the Energy sector (Per Adnan, not happening this	
GEO	Adnan Tareen	2024)	400
KAZ	Yun Ji Suh	Supporting Renawable Kazakhstan's Energy Transition	500
	Serik	TA10085 KAZ: Opportunities to Accelerate Coal to Clean Power Transition in	
KAZ	Zharkinbayev	Kazakhstan (additional financing) {S&C TASF-others}.	100
	Johannes E.	TA 9564-REG Floating Solar Energy Development (additional financing) [replacing	
KGZ	Vogel	Urban Transport Electrification Project, Phase II]	250
PAK		Strengthening Regulatory Capacity of Power Sector (requesting \$1m TASF)	1000
T 1/N 4	Catherine	Evaluation of Wind Potential for Renewable Energy Development	750
TKM	Santiago		750
REG		SSTA on Caspian Sea Cable	225
MON		Energy Sector Reform and Development	500
		Research on Application of Solar Photovoltaics Integrated Ecological System	
PRC	Qingyu Zhao	Rehabilitation and Agriculture Synergy Development	800
PRC	Lei Zhang	Research on New-pattern Low-Carbon Urban Construction Path and Policy	600
			\$5,950

ADB



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\$500 million



Tajikistan: Enhancing Sustainability: Financing for the Rogun Hydropower Project (Proposed)

* Implementation:

- Tentatively Q3 2025 to Q4 2039
- ADB Financing:
- ✤ Total investment: \$6,300 million

Key Project Features

- Rockfill dam with central impervious core 335m high
- Underground Powerhouse installed capacity 3,780 MW 6 Francis turbine units.
- Reservoir capacity 13.3 km³, reservoir surface 170 km²
- Annual Energy Production: 14,400 GWh (70% of total Tajik generation, 7% of total Central Asia)
- Location: 110 km east of Dushanbe on the Vakhsh river, upstream of Nurek HPP







Tajikistan: Enhancing Sustainability: Financing for the Rogun Hydropower Project (Proposed)

Packages and Contracts	Main Scope
Lot 1: Electro-mechanical equipment	Installation of four new generating units; upgrading of the two early generating units; supply of transformers; installation of the balance of plant and control equipment. (EPC contract)
Lot 1A: Additional EM equipment and powerhouse works	Installation of replacement generators for Units 5 & 6 (EPC contract)
Lot 1B: Additional EM Equipment	Design, supply and installation of replacement generators for Units 5 & 6 (EPC contract)
Lot 2: Main dam	Construction of an upstream cofferdam; treatment of the salt wedge that exists beneath the dam; construction of the 140 m high Stage 1 dam and the 330 m high Main Dam; and grouting of the foundation and abutments (EPC contract)
Lot 3: Limited right bank structures	Completion of Diversion Tunnel 4 (DT-4), completion of investigations for atypical zone (ATPZ); excavation and lining of grouting galleries 1 and 3; grouting operations. (red book FIDIC, on-measurement basis)
Lot 3A: Full scope of right bank structures Potential ADB financing	Flood-discharging structures, which progressively provide the required discharge capacities as construction of the dam and the impoundment of the reservoir proceeds. They consist of two high-level outlets (HL01 and HL02), and two surface spillways. Plus remaining grouting galleries and grouting operations. (red book FIDIC, on-measurement basis)
Lot 4 Early Works (EW)	Works for the permanent intakes of the powerhouse complex and the associated upstream waterways of the plant. Construction is ongoing on excavation and slope stabilization works for the power intake, the headrace tunnels, and the shafts
Lot 4: Left bank structures	Remaining headrace and tailrace civil works required to provide inflows for the generating units and direct outflows to the tailrace; construction of grouting galleries left bank and grouting operations. (red book FIDIC, on-measurement basis)





South Asia Region: Our Priorities (2024-2026)

Modernization and Strengthening T&D Networks	 RE evacuation Automation and ancillary services for RE integration Climate resilience Reliability & efficiency of supply Livelihoods and inclusiveness
Enabling Private Sector Participation	 OMDP will support the first competitive bidding for solar in Assam Sovereign loan to support solar park development and evacuation infrastructure
Strengthening Sector Governance and Regulatory Framework	 India PBL: power market reform & regulations for RE integration and energy transition Sri Lanka PBL: unbundling, electricity pricing reforms, RE development through private investment
Integrated Cross Sector Approach	 Low carbon agriculture private solar investments +VGF Distribution system strengthening: feeder solarization + grid integration SRT + distributed BESS Green energy-based gender inclusive livelihoods - "just transition" – skills of rural population
Collaboration within ADB and beyond	• MDB cofinancing • Regional power trade



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Projected Lending Commitment (\$ Million)

Region/Country	2024	2025	2026	Remarks
South Asia	1781	2618	1148	
Bangladesh	360	595	450	T&D expansion/enhancement
Bhutan	30	0	170	Distributed solar/solar farm expansion
India	905	938	393	Solar/rooftop solar/floating solar; power sector reform, distribution improvement
Maldives	0	0	35	RE
Nepal	341	750	0	T&D hydropower
Sri Lanka	145	335	100	RE; power system strengthening, power sector reform



Projected Non-Lending Commitment (\$ Million)

BUSINESS OPPORTUNITIES FAIR 2024

Region/Country	2024	Remarks	
South Asia	26		
Bangladesh	4	Preparation for pipeline projects, capacity building	
Bhutan	2	Capacity building for distributed solar	
India	9.2	Preparation for pipeline projects, capacity building for revamped distribution sector scheme	
Maldives			
Nepal	8	Implémentation support for T&D project	
Sri Lanka	3	Power sector reform	





Country	Package No.	General Description	Estimated Cost (\$ million)	Bidding Procedure
Bangladesh	Dhaka Power Sy	stem Expansion and Strengthening Project	256.9	
	(1)6	Supply of Conductor and Conductor Accessories and Insulator and Insulator Accessories	2.47	1S2E
India	Tripura Power D Efficiency Impro	vement Project	277.4	
	A4	High Voltage Distribution System and its associated facilities	8	1S2E
	C-01	Project Management Consultant for TSECL	1.5	FTP
	C-03	Project Implementation Consultant for TPGL	2	FTP





PPORTUNITIES FAIR 2024

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Country	Package No.	General Description	Estimated Cost (\$ million)	Bidding Procedure
India	Uttarakhand	Climate Resilient Power System Development Project	250	
	5	Turnkey contract for supply, erection, and commissioning of 400/220/132/33 kV AIS Substation at Landhora (Haridwar & Serverkhera)	18.02	1S2E
Bhutan	Bhutan Distributed Solar for Public Infrastructure Project			
	DGPC/02	Design, supply, installation, testing, and commissioning of grid- connected solar photovoltaic systems	8.5	1S1E
Maldives	Accelerating S	100.47		
	G-1	Distribution network and its associated equipment for grid upgrades	12	1S2E
	P-3	Ocean (Tidal Wave) Energy Systems and its associated investments	1.5	1S2E
	P-4	Wind-battery hybrid system and its associated investments	3	1S2E
	P-5	Renewable energy-based farming system and its associated equipment	4.5	1S2E





OPPORTUNITIES FAIR 2024

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BUSIN

Country	Package No.	General Description	Estimated Cost (\$ million)	Bidding Procedure
Nenal		ubregional Economic Cooperation Power Transmission and System Strengthening Project	322	
		Construction of 132 kV underground transmission line from Thimi Substation to Koteshwor	11	1S2E
	A1.3	Construction of 132/66/11 kV substation at Koteshwor	11.5	1S2E
Nepal	Electricity Gr	id Modernization Project	270	
	B1(AF)	Supply and Installation of Enterprise Resource Planning (ERP)	21	1S2E
	(Design, Supply, Install and Commissioning of Smart meter in Kathmandu Valley (Phase II)	35.7	1S2E





Opportunities (New Pipelines)

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BUSINESS OPPORTUNITIES FAIR 2024 9-10 OCTOBER 2024 | 9 A.M. to 5 P.M. | ADB HEADQUARTERS, MANILA

Country	Package No.	General Description	Estimated Cost (\$ million)	Bidding Procedure
India	Assam Solar P	roject	672.67	
	P-2	Design, Supply, Installation and O&M of 250 MW Solar Power Plant on turnkey basis -2 lots: (i) Lot 1 of 125 MWac (ii) Lot 2 of 125 MWac	144	1S2E
	P-3	P-3: Design, supply, installation and commissioning of pooling substation switchyard 3X315 MVA (with one additional power transformer bay and switchgear for 750 MW on turnkey basis – 1 lot	32	1S2E
	P-4	Distribution system improvement in Karbi Anglong and Dima Hasao districts – 1 lot	12	1S2E
Nepal	South Asia Subregional Economic Cooperation Electricity Transmission and Distribution Strengthening Project		662	
	P-1	400 kV Transmission Line:	160	1S2E
	P-2	Construction of 400/220/132kV Gas Insulated Substation at Lamahi on turnkey basis	43	1S2E





Sri Lanka: Power System Strengthening and Renewable Energy Integration Project (Proposed)

- Implementation: Tentatively December 2024 to November 2029
- **ADB Financing**: \$200 million

Approach / Design:

The project will expand the transmission infrastructure, introduce the country's first grid-scale battery energy storage system, modernize the medium voltage distribution network, and upgrade the grid protection systems to enhance renewable energy penetration and improve the reliability of transmission and distribution networks in Sri Lanka. The project will also strengthen the institutional capacities of Ceylon Electricity Board and Lanka Electricity Company (Pvt.) Ltd. by enhancing their ability to integrate and manage renewable energy systems, adopt digital solutions, and improve rooftop solar capacity. It will introduce innovative components for project design and monitoring, and ensure gender-sensitive workplace practices, creating opportunities for women in the energy sector. Additionally, the project will provide training to women-led groups and businesses on adopting clean energy solutions and efficient electricity use.





Sri Lanka: Power System Strengthening and Renewable Energy Integration Project (Proposed)

*** Opportunities:**

Package No.	Brief Description	Estimated Value (\$)	Advertisement Date
P1 Lot A	Procurement of indoor GIS grid substations on turnkey basis	37,000,000	Q4 / 2024
P1 Lot B	Procurement of 132 kV outdoor AIS grid substations on turnkey basis	21,000,000	Q4 / 2024
P2	Procurement of overhead transmission lines on turnkey basis	20,700,000	Q4 / 2024
P3	Procurement of 132 kV grid substations on turnkey basis	s 20,500,000	Q1 / 2025
P5	Procurement of grid scale battery energy storage system (BESS) of 100 MW/50 MWh at Kolonnawa grid substation on turnkey basis	27,500,000	Q1 / 2025
P6	Development of Renewable Energy Centre at National System Control Centre (NSCC)	12,000,000	Q4 / 2025
P7 Lot A	Procurement of underground cabling and packaged substations in Kelaniya Branch area on turnkey basis.	20,750,000	Q4 / 2025



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 BUSINESS OPPORTUNITIES FAIR 2024

 -10 OCTOBER 2024

 9 A.M. to 5 P.M.

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Thank you!

Contract persons Hongwei Zhang, Unit Head, Project Administration, South Asia Region hwzhang@adb.org Catherine B, Santiago, Unit Head, Project Administration, Central and West Asia cbsantiago@adb.org