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ASIAN DEVELOPMENT BANK BUSINESS OPPORTUNITIES FAIR 2025

16-18 SEPTEMBER 2025 | ADB HEADQUARTERS, MANILA

QUALITY INNOVATION IMPACT

Powering Resilient, Green Growth: Opportunities in South Asia's Energy Portfolio

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South Asia Strategic Levers & Actions (2025-2030)

- **Decarbonization** - Accelerate renewables (solar PV, floating solar, hydropower), integrate renewable energy into grids, promote low-carbon technologies and potential use of carbon pricing mechanisms
- **Efficiency & Loss Reduction** - Modernize distribution, update substations, reduce transmission and distribution losses, expand energy efficiency and demand-side management programs
- **Digitalization** - Roll out AMI/MDMS, SCADA/EMS, alongside forecasting and analytics
- **Decentralization** - Rooftop and agricultural solarization, mini-grids, community-based renewable systems, and storage
- **Resilience & Just Transition** - Climate-proofing, disaster-resilient systems, inclusive access and gender equality mainstreaming
- **Private Capital Mobilization** - PPP IPPs, blended finance, MDB cofinancing, carbon markets participation
- **Cross-Border Connectivity** – Enable regional power trade and joint infrastructure



Market Opportunities (2025-2026)

<ul style="list-style-type: none">• Transmission & Distribution Modernization	<ul style="list-style-type: none">• Grid strengthening, network expansion, substations, 132 kV underground/double circuit transmission line, agricultural solarization, island distribution grids
<ul style="list-style-type: none">• Renewable Energy & Storage	<ul style="list-style-type: none">• Rooftop solar, floating solar, solar farms, BESS, wind-battery hybrid system, hydropower, RE-based farming systems/irrigation systems
<ul style="list-style-type: none">• Digital Systems & Smart Infrastructure	<ul style="list-style-type: none">• Smart metering, digital billing, SCADA/EMS, ERP integration, forecasting, grid analytics and related technology services
<ul style="list-style-type: none">• Sector Reform & Institutional Strengthening	<ul style="list-style-type: none">• Financial sustainability of utilities, regulatory reforms, project implementation support, credit enhancement for offtakers, and institutional capacity building.



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Flagship Operations: Sri Lanka (Pipeline)

3. Sri Lanka: Rooftop Solar Aggregation and Virtual Net Metering Project

- Impact: Support 70% RE by 2030, carbon neutrality by 2050; provide affordable energy for SMEs.
- Outputs: (i) Virtual Net Metering (VNM); (ii) Grid modernization; and (iii) Green skilling & carbon credits

Procurement Opportunities:

- Rooftop solar PV (20–25 MW), distribution upgrade; BESS, low loss conductors, SCADA/digital systems, VNM billing software

Consulting Opportunities:

- Project implementation & quality assurance; renewable training facility, SME skilling, carbon credit mechanisms; social inclusion support



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Thank You

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