



Uzbekistan: Promoting Distributed Solar Photovoltaic Systems for Enhanced Access to Energy

Project Name	Promoting Distributed Solar Photovoltaic Systems for Enhanced Access to Energy	
Project Number	54408-001	
Country	Uzbekistan	
Project Status	Proposed	
Project Type / Modality of Assistance	Technical Assistance	
Source of Funding / Amount	TA: Promoting Distributed Solar Photovoltaic Systems for Enhanced Access to Energy	
	Technical Assistance Special Fund	US\$ 350,000.00
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth	
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships	
Sector / Subsector	Energy - Renewable energy generation - solar	
Gender Equity and Mainstreaming	Some gender elements	
Description	<p>The knowledge and support technical assistance (KSTA) will promote the development of distributed solar photovoltaic (PV) systems in Uzbekistan. Despite vast available potential resources, renewable projects are not fully employed. The TA will (i) support the development of government sector strategy for distributed solar systems for distributed solar to further enhance the quality of electricity provision in remote regions and also to attract private investors in the solar sector (ii) install a 20kW distributed solar PV system to demonstrate the technical feasibility and socioeconomic benefits of it; and (iii) improve institutional capacity through hands-on training in planning, designing, developing, implementing, and operating of the distributed solar PV system. Expansion of distributed solar PV systems will not only help achieve the enhanced energy access but it will also help fulfill the government's commitment to mitigate climate change.</p>	
Project Rationale and Linkage to Country/Regional Strategy	<p>In May 2019, the government adopted the Renewable Energy Law, under it the government defines the purpose of the law which is to help diversify Uzbekistan's economy and to lessen its reliance on fossil fuels based energy by developing and regulating a renewable energy sector. The Renewable Energy Law allows the distribution company to conclude electricity purchase contracts directly with the producers of the renewable generated electricity. The government's power sector master plan lay down its commitment toward the clean energy system and set the target of addition 5GW solar and 3GW wind by 2030 to reach 15% share of renewables (exclusive of hydro) in generation capacity. The government envisions various measures to further exploiting abundant solar resources such as (i) utility-scale solar PV project under public-private partnership (PPP) modality; (ii) distributed solar PV systems; (iii) solar home systems; and (iv) development of renewable energy auction mechanism to attract private investment.</p> <p>A strong interest was demonstrated under the recent utility-scale PPP project tenders which were prepared along with various government support mechanisms. However, unlike large scale projects, the small-scale solar system still lacks a dedicated legal, regulatory framework. A well-developed regulatory framework has its primary importance in creating an enabling market environment to attract private investment and sustain the feasibility and growth momentum of the distributed energy system. The government requested for ADB's support in penetrating small and distributed solar PV systems to complement utility-scale solar PV plants by establishing a prudential regulatory framework and building momentum for attracting investment.</p>	
Impact	Create enabling conditions for accelerated development of renewable energy resources	
Outcome	A roadmap for developing distributed solar PV systems prepared.	
Outputs	Government's sector strategy for distributed solar PV and renewable energy auction program developed Pilot scale distributed solar Plants commissioned	
Geographical Location	Nation-wide	
Summary of Environmental and Social Aspects		
Environmental Aspects		
Involuntary Resettlement		
Indigenous Peoples		
Stakeholder Communication, Participation, and Consultation		
During Project Design		
During Project Implementation		
Responsible ADB Officer	Suh, Yun Ji	
Responsible ADB Department	Central and West Asia Department	
Responsible ADB Division	Energy Division, CWRD	

Executing Agencies

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Timetable

Concept Clearance	28 Oct 2020
Fact Finding	22 Oct 2020 to 29 Oct 2020
MRM	-
Approval	-
Last Review Mission	-
Last PDS Update	12 Nov 2020

Project Page	https://www.adb.org/projects/54408-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=54408-001
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