



Kazakhstan: Total Eren Access M-KAT Solar Power Project

Project Name	Total Eren Access M-KAT Solar Power Project		
Project Number	52224-001		
Borrower/Company	M-KAT Green Limited Liability Partnership		
Country	Kazakhstan		
Location	Nation-wide		
Approval Number	7583/3770		
Type of ADB Assistance / Amount	3770	Ordinary capital resources	KZT 15,310.00 million Approved
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth		
Drivers of Change	Gender Equity and Mainstreaming Partnerships Private sector development		
Sector / Subsector	Energy - Renewable energy generation - solar		
Gender Equity and Mainstreaming	Some gender elements		
Responsible ADB Department	Private Sector Operations Department		
Responsible ADB Division	Infrastructure Finance Division 1		
Responsible ADB Officer	Pocheim, Wolfgang		
Project Sponsor(s)	Access Infra Central Asia Eren Groupe SA Total Eren SA		
Description	<p>The project comprises the design, construction, commissioning, and operations and maintenance (O&M) of a 135 megawatt (MW) (direct current) ground-mounted, solar power plant with single axis tracking system (along with associated infrastructure) and grid integration for further electricity sale per a fixed tariff. The project site is in southeastern Kazakhstan, about 3 kilometers (km) south of the town of Shu in the Jambyl Region and will cover 500 hectares. The main project components will include approximately photovoltaic panels, inverters, a substation and a 12 km 220 kilovolts (kV) transmission line to the existing 500kV substation. The total annual output from the project is expected to be 207 gigawatt-hours.</p>		
Objectives and Scope	<p>ADB's proposed assistance will also have a demonstration effect on other developers and sponsors, thereby helping establish the viability of solar power projects in a country with an emerging solar power sector. ADB's local currency support appropriate for projects of this nature that generate local currency denominated revenues will strengthen the momentum towards long-term local currency financing of renewable energy assets. ADB's assistance will ensure that the project is developed with high environmental and social standards.</p>		
Linkage to Country/Regional Strategy	<p>The project is consistent with ADB's Strategy 2030, which includes tackling climate change and enhancing environmental sustainability as among the key operational priorities. ADB's support for the project is also in line with its country partnership strategy for Kazakhstan, 2017-2021, as the project will help foster sustainable green growth in response to climate change by promoting the use of renewable energy sources, and support private sector operations in clean and renewable energy. ADB's Energy Policy emphasizes investments in renewable energy projects, private sector participation, and wider access to energy. The project complements the recently approved Samruk-Energy Restructuring and Transformation Project, which has a focus on developing a renewable energy pipeline in the country. This ADB loan will be counted as climate financing and will help achieve ADB's annual climate finance target of \$6 billion by 2020.</p>		

Safeguard Categories

Environment	B
Involuntary Resettlement	C
Indigenous Peoples	C

Summary of Environmental and Social Aspects

Environmental Aspects	An initial environmental examination report has been prepared by an independent consultant. The potential environmental impacts noise, vibration, dust, waste generation, ground contamination, and soil erosion are generally associated with construction activities. These impacts are generally site-specific and short-term and can be effectively managed by implementing good engineering, construction, and housekeeping practices as well as preventive and control measures reflected in the World Bank Group's Environmental, Health, and Safety General Guidelines, as detailed in the site-specific environmental management plans. Occupational health and safety risks will be mitigated through the development of a health and safety plan that will include routine training, monitoring, and the provision of personal protective equipment. Environmental and occupational health and safety provisions, consistent with ADB's Safeguard Policy Statement requirements, will be incorporated into the contractor agreements. The sponsor is required to submit a safeguards and social monitoring report on an annual basis that will include information on the project's environmental and social aspects.
Involuntary Resettlement	No involuntary resettlement resulted from its activities.
Indigenous Peoples	No impact on indigenous peoples resulted from its activities.
Stakeholder Communication, Participation, and Consultation	

Timetable for assistance design, processing and implementation

Concept Clearance	10 Sep 2018
Due Diligence	
Credit Committee Meeting	23 Nov 2018 to 23 Nov 2018
Approval	14 Jan 2019
Last PDS Update	15 Jan 2019

Project Page	https://www.adb.org/projects/52224-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=52224-001
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