



# Mongolia: First Utility-scale Energy Storage Project

Project Name	First Utility-scale Energy Storage Project						
Project Number	53249-001						
Country	Mongolia						
Project Status	Proposed						
Project Type / Modality of Assistance	Loan						
Source of Funding / Amount	<table border="1"> <tr> <td>Loan: First Utility-scale Energy Storage Project</td> <td></td> </tr> <tr> <td>Ordinary capital resources</td> <td>US\$ 100.00 million</td> </tr> <tr> <td>High Level Technology Fund</td> <td>US\$ 3.00 million</td> </tr> </table>	Loan: First Utility-scale Energy Storage Project		Ordinary capital resources	US\$ 100.00 million	High Level Technology Fund	US\$ 3.00 million
Loan: First Utility-scale Energy Storage Project							
Ordinary capital resources	US\$ 100.00 million						
High Level Technology Fund	US\$ 3.00 million						
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth						
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships						
Sector / Subsector	Energy - Electricity transmission and distribution - Energy efficiency and conservation - Renewable energy generation - solar - Renewable energy generation - wind						
Gender Equity and Mainstreaming	Effective gender mainstreaming						
Description	The project is aligned with the government medium and long term renewable energy target: (i) 100 MW of power storage installed to the CES to increase renewable energy power generation and reduce coal fired power generation in the Medium Term National Energy Policy (2018 2023) and (ii) renewable energy capacity increased to 20% of total generation capacity by 2023 and 30% by 2030 in the State Policy on Energy (2015 2030) and in Mongolia Nationally Determined Contribution in 2015. The proposed project will be included in the Country Operations Business Plan for Mongolia (2020 2021). The outcomes of the proposed project are (i) XXX GWh of annual renewable power evacuated; (ii) xxx GWh of annual high carbon intensive imported electricity reduced; (iii) 12.7 GWh of annual expected energy not served (EENS) reduced; and (iv) at least xx million tons of CO2 emissions avoided per year. These outcomes will be achieved through the following outputs: (i) large scale advanced battery storage system installed, and (ii) institutional and organizational capacity enhanced.						
Project Rationale and Linkage to Country/Regional Strategy	The proposed project aims to install large scale battery storage system in the central energy system (CES) grid to absorb fluctuating renewable energy electricity which is otherwise to be curtailed to meet growing power demand in the CES.						
Impact	Renewable energy capacity increased to 20% of total generation capacity by 2023 and 30% by 2030.						
Outcome	Renewable electricity penetration increased.						
Outputs	Large scale advanced battery energy storage system installed Institutional and organizational capacity enhanced						
Geographical Location	Nation-wide						
<b>Safeguard Categories</b>							
Environment	B						
Involuntary Resettlement	C						
Indigenous Peoples	C						
<b>Summary of Environmental and Social Aspects</b>							
Environmental Aspects	Safeguard category tentatively B for environment. The category will be reviewed based on the result of the environment.						
Involuntary Resettlement	Safeguard category tentatively B for land acquisition and involuntary resettlement. The category will be reviewed based on the result of the social impact assessment.						
Indigenous Peoples	Safeguard category tentatively C for indigenous people. The category will be reviewed based on the result of the social impact assessment.						
<b>Stakeholder Communication, Participation, and Consultation</b>							
During Project Design							
During Project Implementation							
Responsible ADB Officer	Atsumasa Sakai						
Responsible ADB Department	East Asia Department						
Responsible ADB Division	EASI						
Executing Agencies	Ministry of Energy Government Building 14, Khan-Uul District Chinggis Avenue, 3-r khoroo Ulaanbaatar, 17060 Mongolia						

Timetable	
Concept Clearance	02 Dec 2019
Fact Finding	11 Nov 2019 to 15 Nov 2019
MRM	13 Jan 2020
Approval	-
Last Review Mission	-
Last PDS Update	05 Dec 2019

Project Page	<a href="https://www.adb.org/projects/53249-001/main">https://www.adb.org/projects/53249-001/main</a>
Request for Information	<a href="http://www.adb.org/forms/request-information-form?subject=53249-001">http://www.adb.org/forms/request-information-form?subject=53249-001</a>
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