



## Project Data Sheet

Project 52240-002

Project Name Supporting Renewable Energy Development

Project Number 52240-002

Country / Economy Mongolia

Project Status Active

Project Type / Modality of Assistance Technical Assistance

---

### **TA 9941-MON: Supporting Renewable Energy Development**

Source of Funding / Amount Asian Clean Energy Fund under the Clean Energy Financing Partnership Facility US\$ 1.30 million

---

### **TA 9941-MON: Supporting Renewable Enrgy Development (Supplementary)**

Technical Assistance Special Fund US\$ 50,000.00

Operational Priorities OP2: Accelerating progress in gender equality  
OP3: Tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability  
OP6: Strengthening governance and institutional capacity

Sector / Subsector **Energy** / Electricity transmission and distribution - Energy efficiency and conservation - Large hydropower generation - Renewable energy generation - geothermal

Gender Some gender elements

Description	<p>The ensuing project is to support the government of Mongolia in expanding renewable energy. In spite of vast renewable energy potential, Mongolia depends on 93% of total electricity production from coal fired thermal power plants. Coal has also been used as the primary source for heating. As a result, the energy sector becomes the major contributor to large greenhouse gas emissions and serious air pollution in the country. The air pollution level in Ulaanbaatar and other towns have become worse than that in cities such as Beijing and New Delhi. UNICEF warned that this has become the public health crisis, especially among children. Nevertheless, the use of coal cannot be reduced to meet growing domestic demand for electricity and heating. To be worse, the peak demand for electricity has almost been reaching to the present generation capacity limit. Under the situation, the country has overcome any power shortfall through more expensive power import from Russia. Thus, the energy security and social and economic impacts have been toward conflicting and complicating situation.</p> <p>To tackle the dilemma, the government issued the State Policy on Energy, 20152030 to increase the share of renewable energy to 20% by 2023 and 30% by 2030. ADB's country partnership strategy and country operations business plan (COBP) for Mongolia responded to this priority to expand renewable energy even in remote and less developed regions, and to enable air quality and carbon footprint improvements. Subsequently, the government's mid-term plan for 20192023 includes concrete activities for renewable energy development. For this purpose, this transaction technical assistance (TA) was programmed for 2019 and the ensuing loan project for 2021 in the COBP, 20202021. Given the strategy and rationale, the following were the intended outputs of the ensuing project:</p> <p>(i)Output 1: Transmission strengthened to help evacuate more renewable energy to grid.</p> <p>(ii)Output 2: Pilot pumped storage hydropower generation assessed for detailed engineering studies.</p> <p>(iii)Output 3: Pilot geothermal heat and power generation assessed for detailed engineering studies.</p> <p>(iv)Output 4: Advance heating technologies deployed.</p> <p>However, given project readiness, the project scope has been revised to focus on the transmission expansion and a cleaner heating pilot. The project impact will be increased renewable energy capacity, and the outcome will be increased and diversified clean energy supply schemes. The ensuing project is estimated to cost \$150 million. ADB will consider a project loan of \$140.0 million from ADB's ordinary capital resources, and the balance is expected to be supported by cofinanciers and/or the government.</p>
Project Rationale and Linkage to Country/Regional Strategy	The TA will help the government prepare the project. The TA will refine the project scope by incorporating international best practices, innovative solutions, and conduct technical, safeguards, economic, financial, and other due diligence requirements.

Impact

## Project Outcome

Description of Outcome

Progress Toward Outcome

## Implementation Progress

Description of Project Outputs

Status of Implementation Progress (Outputs, Activities, and Issues)

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 Cowlin, Shannon C.

Responsible ADB Department East Asia Department

Responsible ADB Division EASI

Executing Agencies *Ministry of Energy*

### Timetable

Concept Clearance -

Fact Finding -

MRM -

Approval 16 Jan 2020

Last Review Mission -

Last PDS Update 19 Sep 2022

### TA 9941-MON

#### Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
16 Jan 2020	11 Feb 2020	11 Feb 2020	31 Mar 2022	30 Sep 2023	-

Financing Plan/TA Utilization							Cumulative Disbursements	
ADB	Cofinancing	Counterpart		Project Sponsor	Others	Total	Date	Amount
		Gov	Beneficiaries					
50,000.00	1,300,000.00	0.00	0.00	0.00	0.00	1,350,000.00	30 Jan 2023	650,868.23

This page was generated from /projects/52240-002/main on 06 June 2023