

## JCM Sustainable Development Implementation Plan Form

### A. Project description

#### A.1. Title of the JCM project

Installation of 5MW solar PV system and 3.6MWh battery energy storage system in Zavkhan Province
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#### A.2. Contact information

Name of the focal point entity(ies):	Taishir Green Energy State-Owned JSC
Name of authorized signatory	
Last name: Duger	First name: Amartuvshin
Title: Managing Director	

## B. Possible Contribution to Sustainable Development

### B.1 Plan for possible contribution to SD

No.	Items	Questions	Yes/No	
1	EIA	Does the proposed project require official/legal process of EIA?	No <input type="checkbox"/>	The project has passed the requirements for EIA under the Law on Environmental Impact Assessment of Mongolia in 2021.
			Yes <input checked="" type="checkbox"/>	
2		Does the proposed project emit air pollutants?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
3		Does the proposed project discharge water pollutants or substances which influence BOD, COD or pH, etc.?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
4	Pollution Control (No answer is necessary if EIA is required)	Does the proposed project generate waste?	No <input type="checkbox"/>	
			Yes <input checked="" type="checkbox"/>	Proposed project will generate waste, specifically used NAS batteries at the end of their operational life. The BESS provider retains contractual responsibility to carry out disposal (recycling, reprocessing or other environmentally sensitive disposal) of all battery units at the end of their life, in compliance with the standards and regulations of the BESS OEM's country of origin. Used batteries and panels will be disposed of by the provider, either in Mongolia in licensed facilities, or through transport to a licensed facility in another country in the region .
5		Does the proposed project increase noise, vibration and/or odor beyond the levels required by laws or regulations?	No <input type="checkbox"/>	
			Yes <input checked="" type="checkbox"/>	Certain noise increase is expected from power conditioners during operation, but it is expected not to create disturbance since the location is 6 km away from the nearest residential area.
6		Does the proposed project cause ground subsidence?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
7	Safety and Health	Does the proposed project pose a dangerous condition for local communities as well as individuals involved in the project during either its construction or its operation?	No <input type="checkbox"/>	
			Yes <input checked="" type="checkbox"/>	There is a possibility that the project has some dangerous conditions on workers' safety during construction, thus preventive measures will be carried out for securing safety of construction workers.
8	Natural Environment and	Is the proposed project site located in protected areas designated by national laws or international treaties and conventions?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	

9	Biodiversity	Does the proposed project change land use of the community and protected habitats for endangered species designated by national laws or international treaties and conventions?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
10		Does the proposed project introduce foreign species?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
11		Does the proposed project involve construction activities considered to affect natural environment and biodiversity (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
12		Does the proposed project use surface water, ground water and/or deep ground water?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
13	Economy	Does the proposed project have negative impact on local workforce capacity?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
14		Does the proposed project have negative impact on local community's welfare?	No <input checked="" type="checkbox"/>	
			Yes <input type="checkbox"/>	
15	Social and Local Community Participation	Please describe what best possible measures the project participants of the proposed project take to ensure human rights through the supply chain and the implementation of the proposed project, and demonstrate that there is no violation of human rights.	-	All procurement of goods and works will be undertaken in accordance with ADB's Procurement Policy and Safeguard Policy Statement. These requires service provider integrity, which indicate that, for example, service provider must comply with local labor laws and provide decent working conditions.
16		Please describe, if possible, how the project participants of the proposed project respect, promote and consider their respective right to health, the rights of indigenous peoples, local communities, migrants, children, persons with disabilities and people in vulnerable situations and the right to development, as well as gender equality, empowerment of women and intergenerational equity.	-	On the ADB's Initial Environmental Examination (IEE) of the Upscaling Renewable Energy Sector Project, all environmental requirements in the Safeguard Policy Statement are covered. And "involuntary resettlement" and "indigenous peoples" are categorized "C": project is likely to have minimal or no adverse social impacts. The project has positive social impacts including generation of employment opportunities for the local population, and priority is given to low-income and unemployed women in local communities.
17		Does the proposed project cause any resettlement or other types of conflict?	No <input checked="" type="checkbox"/>	
	Yes <input type="checkbox"/>			
18		Does the proposed project include activities to	No <input type="checkbox"/>	

		respond to, and follow up, comments and complaints that have been received from local communities, particularly from the public consultation?	Yes <input checked="" type="checkbox"/>	Local stakeholder consultation will be conducted in the proposed project. To address any potential future concerns from local communities, a grievance redress mechanism has been established for the project in line with the relevant safeguard policies of the Asian Development Bank.
19		Do the project participants comply any laws and/or ordinances associated with the working conditions of local communities which the project participants should observe in the project?	No <input type="checkbox"/>	
			Yes <input checked="" type="checkbox"/>	Proposed project complies relevant national laws in Mongolia.
20	Technology	Does the proposed project include activities to build capacity of human resources through technology transfer and technical assistance?	No <input type="checkbox"/>	
			Yes <input checked="" type="checkbox"/>	Capacity development activities will be provided through operation & management of utility scale first-of-its-kind PV & BESS project in Mongolia.

### References

Law of Mongolia on Environmental Impact Assessments (2011)  
 Law of Mongolia on Waste (2017)  
 Project Administration Manual – Mongolia: Upscaling Renewable Energy Sector Project (ADB) <https://www.adb.org/projects/50088-002/main>  
 Safeguard Policy Statement (2009) (ADB) <https://www.adb.org/who-we-are/environmental-social-requirements/safeguard-policy-statement>