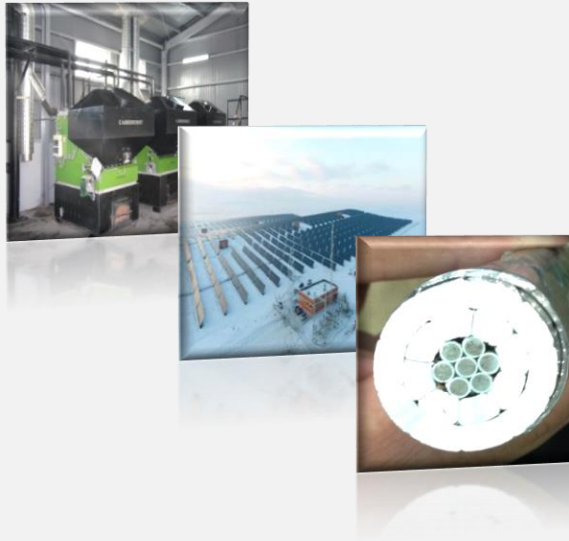
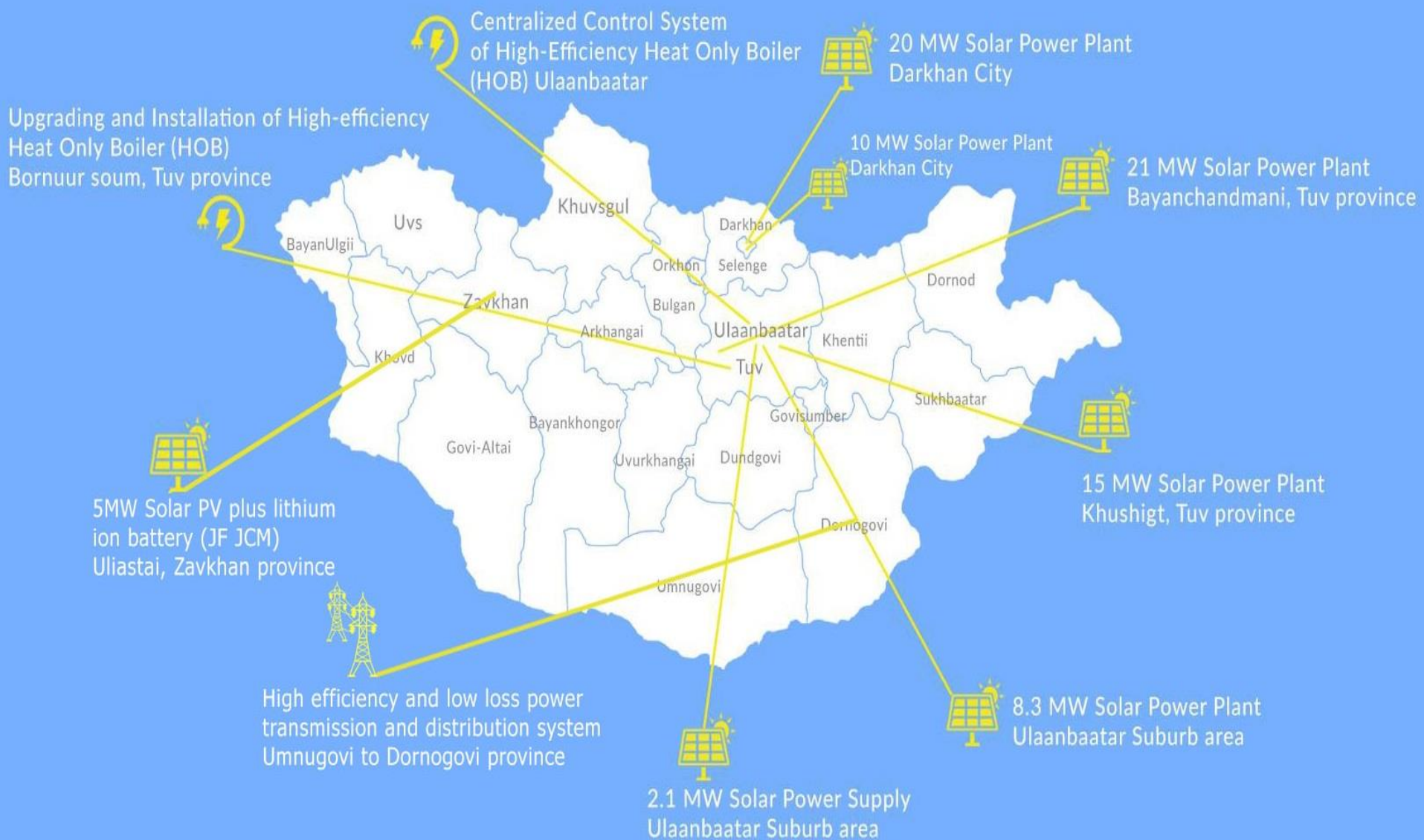


JCM contribution to the decarbonisation of energy sector and NDC achievement of Mongolia



Ms.Anand Tsog,
Climate Change and International Cooperation Department,
Ministry of Environment and Tourism of Mongolia

Projects implemented in Mongolia under the JCM



5 REGISTERED PROJECT

MN001



Installation of high-efficiency Heat Only Boilers in 118th school of Ulaanbaatar city

MN002



Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum

MN003



Installation of 12.7MW Solar Power Plant for Power Supply In Ulaanbaatar Suburb

MN004



10MW Solar Power Project in Darkhan city

MN005



A high efficiency and low loss power transmission and distribution system in Mongolia

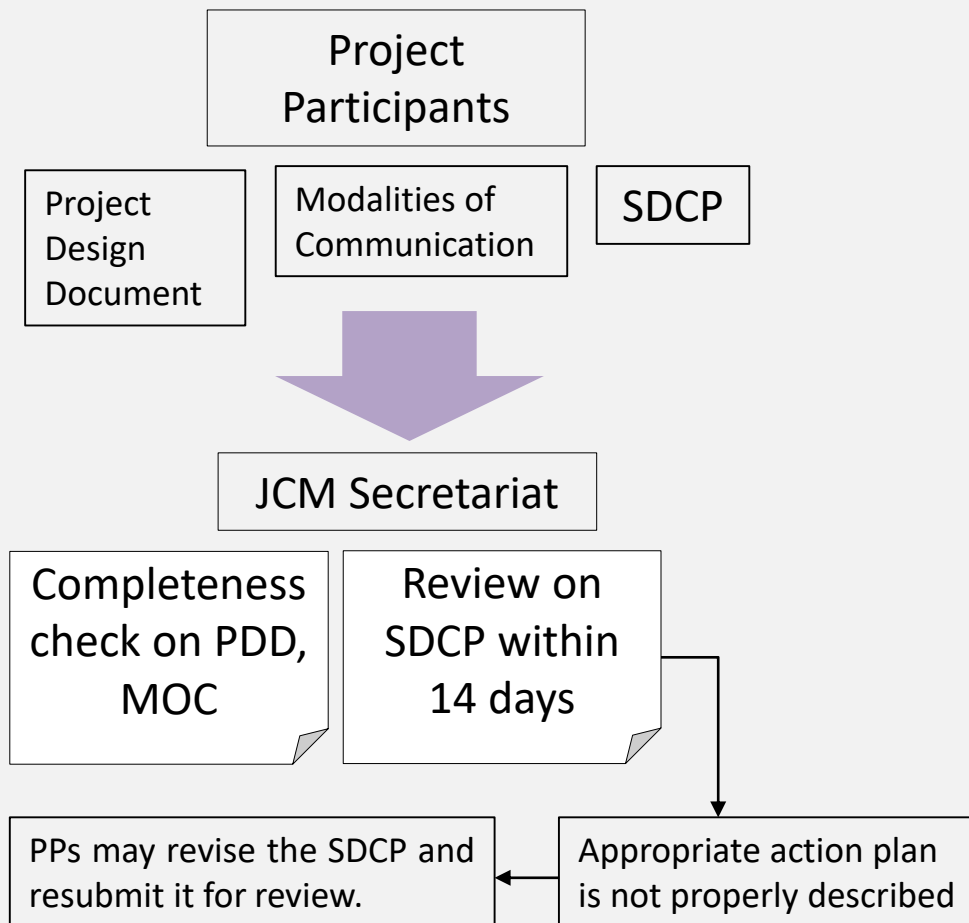
6TH JOINT COMMITTEE DECISIONS



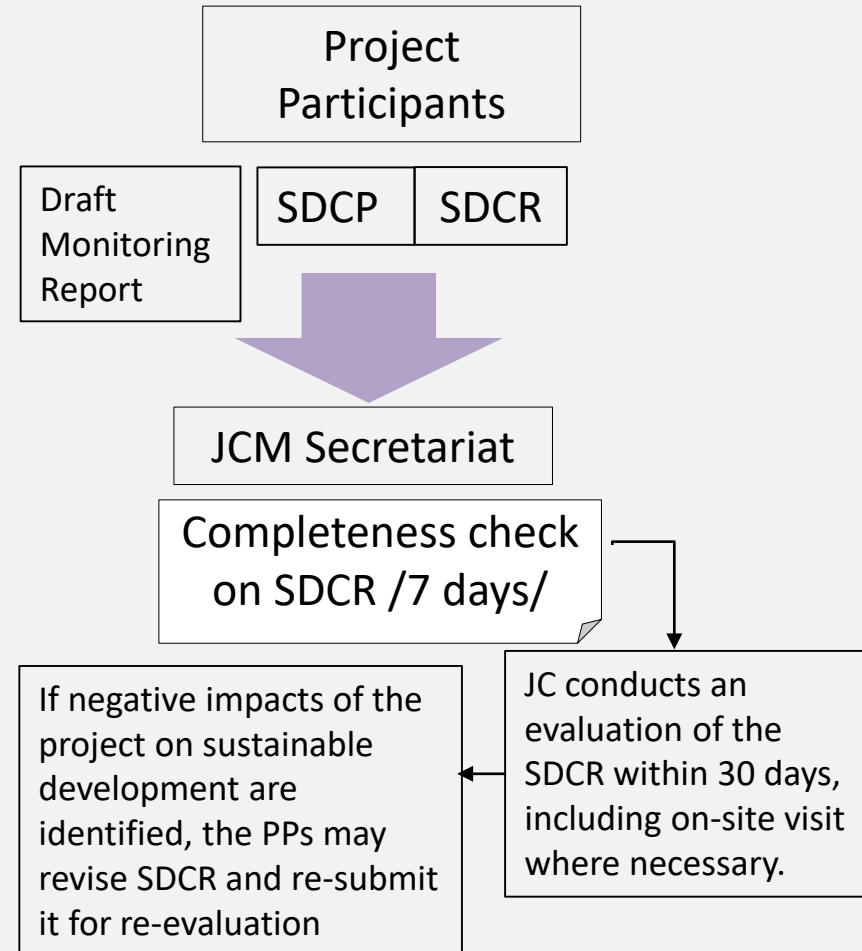
- UPDATED- Rules of Implementation for the JCM
- UPDATED- JCM Project Cycle Procedure
- **ADOPTED NEW DOCUMENT- Sustainable Development Contribution Plan and Report**
- CHANGES TO REGISTERED JCM PROJECT- Installation of 12.7MW Solar Power Plant for Power Supply In Ulaanbaatar Suburb (MN003)
- CREDIT ISSUANCE- Installation of high-efficiency Heat Only Boilers in 118th School of Ulaanbaatar City Project (MN001)
- CREDIT ISSUANCE- Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project (MN002)
- CREDIT ISSUANCE- Installation of 12.7MW Solar Power Plant for Power Supply In Ulaanbaatar Suburb (MN003)
- UPDATED- Progress reports of the JCM model projects

SUSTAINABLE DEVELOPMENT CONTRIBUTION PLAN AND REPORT

SDCP



SDCR



SDCP FORM EXAMPLE

JCM MN GL SDCP CR ver01.0

B. Prevention of Negative Impacts and Possible Contribution to Sustainable Development

+ B.1 Plan for prevention of negative impacts and for possible contribution to SD

No.	Items	Questions	Yes/No	If answer is Yes, please describe the action plans.
1	Policy alignment	Does the proposed project fail to align with current domestic policies or programs that are relevant to its sector, technology, and/or geographical area?	No	
2	Environmental Impact Assessment (EIA)	Does the proposed project require official/legal process of EIA?	Yes	The project has passed the requirements for EIA under the Law on Environmental Impact Assessment of Mongolia in 2015.
3	Pollution Control (No need to answer if EIA is required)	Does the proposed project emit air pollutants?	No	
4		Does the proposed project discharge water pollutants or substances which influence BOD, COD or pH, etc.?	No	
5		Does the proposed project generate waste, including electronic waste and refrigerants? (If answer is yes, please include waste management plan as an action plan)	Yes	Small amount of general waste are expected and they will be disposed of properly. Electronic waste can be generated due to unforeseen situation during the set-up of equipment and will be kept properly while seeking the ways for treating them appropriately.
6		Does the proposed project increase noise and/or vibration from the current level?	Yes	Certain noise increase is expected from power conditioners during operation, but it is expected not to create disturbance since the location is 10 km away from the nearest residential area.
7		Does the proposed project cause ground subsidence?	No	
8		Does the proposed project cause odor?	No	
9	Safety and health	Does the proposed project create hazardous condition for local communities as well as individuals involved in the project, during either its construction or its operation?	Yes	There is a possibility that the project have some hazardous conditions on workers' safety during construction, thus preventive measures will be carried out for securing safety of construction workers.
10	Natural Environment and biodiversity	Is the proposed project site located in protected areas designated by national laws or international treaties and conventions?	No	
11		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	
12		Does the proposed project bring foreign species?	No	
13		Does the proposed project include construction activities considered to affect natural environment and biodiversity (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	No	

SDCR FORM EXAMPLE

JCM_MN_GL_SDCP_CR_ver01.0

B. Contribution to Sustainable Development

+ B.1 Check list for prevented negative impacts and for contribution to SD

No.	Items		Not identified	Identified	If a box under "Identified" is marked, please describe the corrective actions
1	Policy alignment	Project failed to align with current domestic policies or programs relevant to its sector, technology, and/or geographical area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Environmental Impact Assessment (EIA)	Project did not meet the regulatory requirements of EIA reporting to the Government of Mongolia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Pollution Control	Occurrence of pollution in ambient air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4		Occurrence of pollution in water quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5		Occurrence of waste generation, including electronic waste and refrigerants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Some general and electronic wastes were generated. Those wastes were properly transported and treated in line with the local regulations and company plan for proper disposal.
6		Occurrence of noise and/or vibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7		Occurrence of ground subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8		Occurrence of ambient odor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Safety and health	Occurrence of accident or occupational accident	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A minor accident occurred but it was treated, its damage was compensated, and the safety measures were revised for local communities as well as individual workers involved in the project.
10	Natural Environment and biodiversity	Change of protected area conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11		Change of land use change and ecosystem conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12		Introduction of foreign species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13		Environmental impact during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14		Use of surface water, ground water and/or deep ground water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15	Economy	Decrease in local workforce capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16		Decline in local community welfare	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17	Social Environment and Community Participation	Occurrence of resettlement or conflict	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18		Failure to follow up comments and complaints successfully	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19		Violation of regulatory labour and working conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Opportunities

Sector	Technology	JCM Methodology	1
			Mongolia
Energy efficiency	Boiler	MN_AM002	2
	Regenerative Burners		
	Gas Fired Furnace		
	Air Conditioning System		
	Chiller		
	Refrigerator		
	Absorption Chiller Using Waste Heat		
	Swirling Induction Type Air-Conditioning System		
	Air Conditioning Control System		
	Double Bundle-type Heat Pump		
	Fridge and Freezer Showcase		
	Air Compressor		
	Loom		
	Old Corrugated Cartons Process		
	Battery Case Forming Device		
	Electrolyzer in Chlorine Production		
	Transformer		
	LED lighting		
	LED Street Lighting with Dimming System		
	Pump		
	Frequency Inverter for Pump		
	Aeration System		
	Water Heater Using Exhaust Heat		
	Exhaust Heat Recovery System		
	Wire Stranding Machines		
	Power Transmission System	MN_AM001	1
	Evaporator with Mechanical Vapor Recompression		
Energy industries (renewable-/non renewable sources)	Solar Power Plant	MN_AM003	2
	Solar Power Plant with Battery		
	Small Hydropower Plant		
	Power Generation by Waste Heat Recovery		
	Biomass Power Plant		
	Gas Co-generation		
	Biomass Co-generation		
Waste handling and disposal	Waste-to-Energy Plant		
	Power Generation by Methane Recovery		
Transportation	Digital Tachograph System		