



MINISTRY OF ENVIRONMENT
AND TOURISM



Current status of JCM projects in Mongolia and position towards using market mechanisms in its NDC

"Workshop on facilitating the JCM
implementation in Asia and Pacific"

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Tourism

POLICIES AND PROGRAMS RELATED TO GHG MITIGATION

INTERNATIONAL

Mongolia ratified

1. UNFCCC in 1993
2. Kyoto Protocol in 1999
3. Energy Charter Treaty and Protocol on Energy Efficiency and Related Environmental Aspects in 1999
4. **Paris Agreement in 2016**

DOMESTIC

Laws:

1. Renewable Energy Law (2007)
2. Law on Air (2010)
3. Law on Air Pollution Payment (2010)
4. Law on Air Pollution Reduction of the Capital City (2011)

Long term sustainable development programs:

1. The Mongolian Action Program for the 21st Century (MAP 21)
2. The MDG-based Comprehensive National Development Strategy of Mongolia

Mid term programs:

1. National Action Program on Climate Change (2011)
2. National Renewable Energy Program (2005)
3. New Reconstruction Mid-term (development) Program (2010)

INSTITUTIONAL ARRANGEMENT

Ministry of Environment and Tourism (MET)

Climate Change and International Cooperation department

Nature Conservation Fund

Climate Change Project Implementing unit (CCPIU)

National Action Program on Climate Change (NAPCC)

Mitigate GHG emissions step by step and create basis for transiting to low carbon economy through introduction of environmentally friendly technologies and improvement of productivity and efficiency

TNC

BUR

JCM Secretariat

2nd Phase (2017-2021)

- Best available measures and activities for climate change adaptation will be implemented.
- Sustainable implementation of actions to decelerate growth of GHG emissions will begin.

Road to LCDP

Governmental consultation
(Ulaanbaatar -3 July 2012)

Governmental consultation
(Tokyo -1 November 2012)

Governmental consultation
(Doha -30 November 2012)

Joint Statement
(Doha -6 December 2012)

**Signing of the “Low Carbon Development Partnership”
(bilateral document for the JCM)
(Ulaanbaatar- 8 January 2013)**

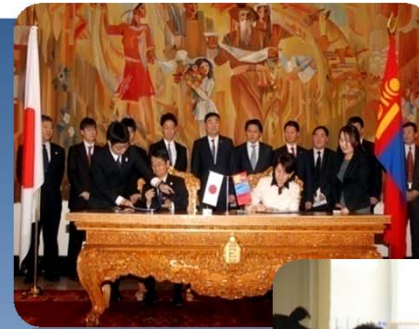
Start of “JCM”

JCM **first** Joint Committee meeting (Ulaanbaatar - 11 April 2013)

JCM **second** Joint Committee meeting (Ulaanbaatar - 20 February 2014)

JCM **third** Joint Committee meeting (Ulaanbaatar - 30 June 2015)

JCM **fourth** Joint Committee meeting (Ulaanbaatar - 30 Sep 2016)



Joint Committee

Mongolia

Co-Chair

Members (7
Ministries and UB
City Authority)

Secretariat

Japan

Co-Chair

Members
(2 Ministries and
Japanese Embassy
in Mongolia)

Secretariat

Approved Methodology

MN_AM001 (20 Feb, 2014)
Installation of energy-saving transmission lines in the Mongolian Grid“

MN_AM002 (30 Jan, 2015)
Replacement and Installation of High-Efficient Heat Only Boilers (HOBs) for Hot Water Supply Systems

MN_AM003 (30 Sep, 2016)
Installation of Solar PV System



Registered projects

MN001 (30 Jun, 2015)
Installation of high-efficiency Heat Only Boilers in 118th School of Ulaanbaatar City Project
(**50ton/CO₂ eq CER**)

MN002 (30 Jun, 2015)
Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project (**107ton/CO₂ eq CER**)

JCM PROJECTS in MONGOLIA (2016-2017)

Project type	Project title	Sector scope	Support
Model project	10MW Solar Power Project in Darkhan City	Energy (EE)	MoEJ/GEC
Model project	Installation of 2.1MW Solar Power Plant for Power Supply in Ulaanbaatar Suburb	Energy (RE)	MoEJ/GEC
Model project	Installation of 8.3MW Solar Power Plant in Ulaanbaatar suburb Farm	Energy (RE)	MoEJ/GEC



POTENTIAL JCM PROJECTS IN MONGOLIA FOR 2017

* Project outline - 20MW Solar Project in Darkhan

* 1. Representative entity : Sharp corporation

* 2. Partner entity :

* -Darkhan Selenge Electricity Distribution Network

* Company (DSEDN)

* -Darkhan Solar

3. Location of the project:
Darkhan

* 4. Installation capacity : 20MW

* 5. Project schedule : COD
December 2017

* Project outline -10MW Solar Project in Myangad

* 1. Representative entity : Sharp corporation

* 2. Partner entity :

* - Altai Trest Co., Ltd. (New Progress Group)

* - Thermalmegwatts Co.,Ltd.

*100% subsidiary/SPC of Altai Trest

3. Location of the project:
Myangad

* 4. Installation capacity : 10MW

* 5. Project schedule : COD
December 2017

SHARP

International Consortium
Agreement for 17 years



SHARP

International Consortium
Agreement for 17 years



CAPACITY BUILDING : BILATERAL COOPERATION WITH MINISTRY OF ENVIRONMENT, JAPAN



The Joint Crediting Mechanism (JCM) Projects Finding Cooperation Programme (2016-2017)

Project Formulation Study through City-to-City Cooperation in Ulaanbaatar, Mongolia (2016-2017)

To implement NAMA and JCM successfully in Mongolia, capacity building and detailed feasibility studies are IMPORTANT

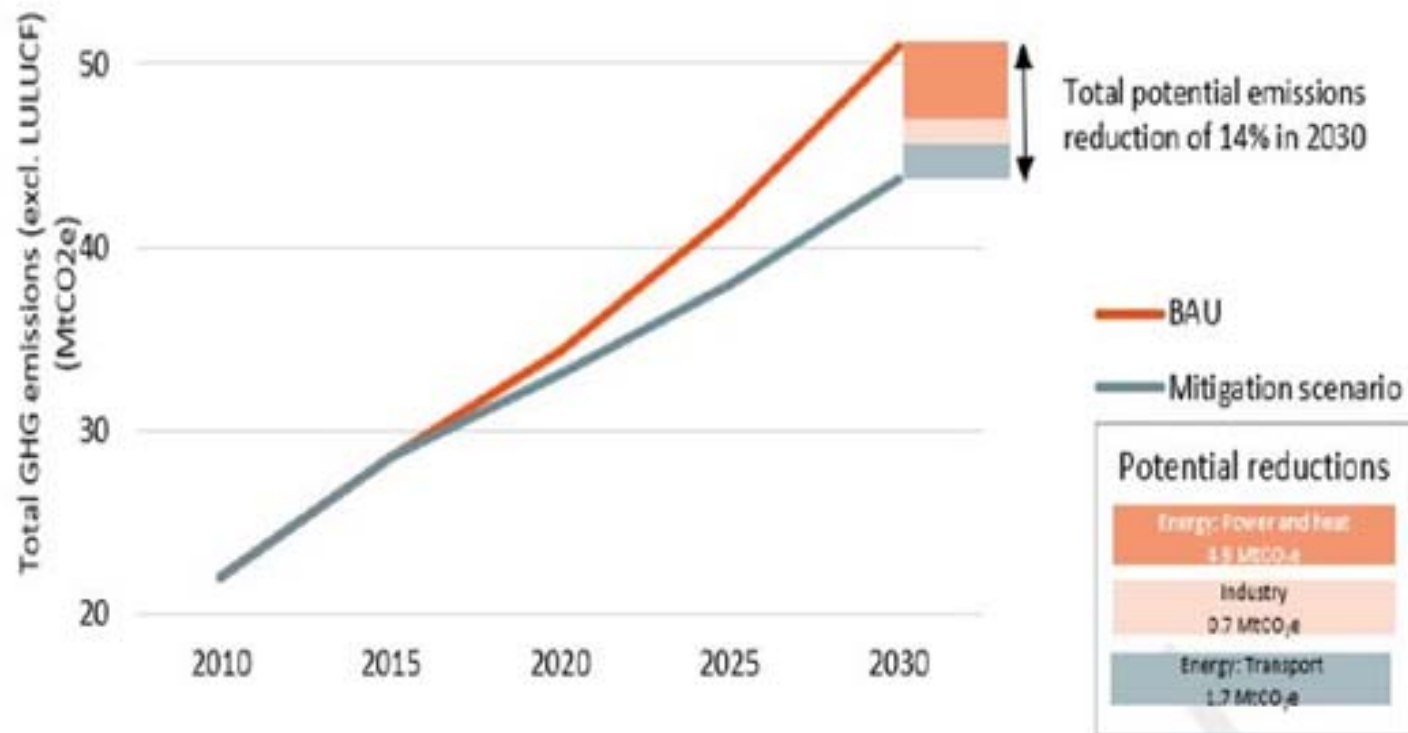


Capacity building programme for Joint Crediting Mechanism in Mongolia (2016-2017)



To support new mechanism feasibility studies and MRV demonstration studies, implement demonstration projects (since 2011)

MONGOLIA'S INTENDED NATIONAL DETERMINED CONTRIBUTION (INDC)



- Mongolia submitted its INDC to UNFCCC in September, 2015
- Main goal is reduce GHG emission by 14% in 2030 comparing to 2010

CONCLUSION

- * **There are several barriers regarding the implementation of JCM in Mongolia (Technical barriers (e.g. methodology development, monitoring, validation and verification), Institutional barriers (e.g. lack of information, inter-ministerial coordination etc), Financial barriers (e.g. upfront investment, appropriate financing scheme) ,Finding appropriate partners is challenging (Japanese and Mongolian))**
- * **However there are opportunities for GHG mitigation in Mongolia**
- * **Market mechanisms are efficient/ preferred way to mitigate GHG emission in Mongolia**
- * **International and Bilateral cooperation is necessary to promote existing as well as emerging alternative /new mechanisms in Mongolia to fulfill its NDC's mitigation contribution.**

Thank you for your
attention!



Photo by Undarmaa Khurelbaatar 2016