

JCM in Mongolia

- Mongolia is the first to launch Joint Crediting Mechanism (JCM) on 8 January 2013, out of the 16 countries that signed bilateral agreements with the Government of Japan



JCM in Mongolia

- Registered projects

Project title	Reg. date	Emission reduction	Project Participants	
			Mongolia	Japan
Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project	30 Jun 2015	206 tCO ₂ p.a.	Anu Service Co., Ltd.	Suuri-Keikaku Co., Ltd.
Installation of high-efficiency Heat Only Boilers in 118th School of Ulaanbaatar City Project	30 Jun 2015	92 tCO ₂ p.a.	Anu Service Co., Ltd.	Suuri-Keikaku Co., Ltd.

- Approved methodologies

Methodology title	Approval date
Replacement and Installation of High Efficiency Heat Only Boiler (HOB) for Hot Water Supply Systems	28 Jan 2015
Installation of energy-saving transmission lines in the Mongolian Grid	20 Feb 2014

Installation of energy-saving transmission lines in the Mongolian Grid MN_AM001

GHG emission reduction measures: Reduction of transmission loss by introduction of LL-ACSR/SA.

Calculation of reference emissions: Calculation of GHG emission due to transmission loss in ACSR, based on the parameters derived from Mongolian Standard MNS5870: 2008.

Calculation of project emissions: GHG emission due to transmission loss in LL-ACSR/SA, based on monitored transmission loss.

Monitoring parameters: Power sent from the point of origin/supply to the transmission line, power received at the point of receipt of the transmission line, emission factor of the grid, direct current resistance of the transmission line

Replacement and Installation of High Efficiency Heat Only Boiler (HOB) for Hot Water Supply Systems MN_AM002

GHG emission reduction measures: This project involves the installation of new HOB for hot water supply system and the replacement of existing coal-fired HOB. The boiler efficiency of the reference HOB is typically lower than that of the project HOB. Therefore, the project activity leads to the reduction of coal consumption, resulting in lower emission of GHGs as well as air pollutants.

Calculation of reference emissions: Reference emissions are calculated by the net heat quantity supplied by the project HOB, boiler efficiency of the reference HOB and CO₂ emission factor of coal.

Calculation of project emissions: The sources of project emissions are coal consumption and electricity consumption of project HOB. Project emissions are calculated by the net heat quantity supplied by the project HOB, boiler efficiency of the project HOB and CO₂ emission factor of coal. In addition, project emissions due to auxiliary electricity consumption are included, on the basis of electricity consumption and CO₂ emission factor of the grid.

Monitoring parameters: Net heat quantity supplied by the project HOB and total hours of the project HOB operation during the monitoring period

Joint Crediting Mechanism Guidelines for Designation as a Third Party Entity

3. Normative references

- **Paragraph 4.** The following referenced documents are indispensable for the application of these Guidelines:
 - ISO 14065:2007 Greenhouse gases — Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition;
 - Clean Development Mechanism Accreditation Standard for Operational Entities.

4. Terms and definitions

- **Paragraph 5.** TPEs are entities designated by the Joint Committee as qualified to validate proposed JCM projects as well as verify **GHG emission reductions or removals**.
- **Paragraph 6.** Candidate entities are entities which have applied to be **designated by the Joint Committee** as TPEs.

5. Requirements for designation as a TPE

- To be designated as TPEs, candidate entities fulfill all requirements as listed paragraphs 10 to 13.

–5.1 General

- **Paragraph 10.** To be eligible to become a TPE under the JCM, the candidate entity is either:
 - An entity accredited under ISO 14065 by an accreditation body that is a member of the International Accreditation Forum (hereinafter referred to as “IAF”) based on ISO 14064-2; or
 - A Designated Operational Entity (hereinafter referred to as “DOE”) of the Clean Development Mechanism (hereinafter referred to as “CDM”) .

Thank you!