Introduction on MRV requirements of JCM Projects and GHG inventory of Mongolia

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PART 1. MRV requirements of JCM projects
Reference Emissions and Project Emissions

Emissions under Reference scenario

Emissions under Project scenario

Emissions Reductions

Reference Emissions

Project Emissions

time
Governance Scheme and Project Cycle of the JCM

Project Participant / Each Government Joint Committee

Joint Committee

Project Participant

Third Party Entities

Joint Committee

Project Participant

Third Party Entities

Joint Committee decides the amount Each Government issues the credit

Submission of Proposed Methodology

Approval of Proposed Methodology

Development of PDD

Validation

Registration

Monitoring

Verification

Issuance of credits

Can be conducted by the same TPE
Can be conducted simultaneously

Source: Ministry of the Environment Japan
General MRV scheme of the JCM

Joint Committee

Guidelines
Methodologies

PDD (+Monitoring Plan)

Monitoring Report

Validation Report

Verification Report

Project participants

Third Party Entities
Concept of JCM MRV

- Concept of MRV —
  Creating M with considering V

M (Monitoring)

PP: Establish the monitoring plan
Verifier: Assessment of the monitoring plan
Approval of the monitoring plan

R (Reporting)

PP: Monitoring and preparation of Monitoring Report
Verifier: Verify whether comply with the monitoring plan or not

V (Verification)
# Monitoring Plan

**(Most Important)**

The Monitoring Plan taken into account of the Verification is most important.

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### Monitoring Plan

<table>
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Abstract of ISO14064-series & 14065 & ISO14066

- **ISO 14064-1**
  * Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

- **ISO 14064-2**
  * Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements

- **ISO 14064-3**
  * Specification with guidance for the validation and verification of GHG assertions

- **ISO 14065**
  * Requirements for GHG validation or verification bodies

- **ISO 14066**
  (complement of ISO14065)
  * Competence requirements for GHG validation teams and verification teams

**Quality of GHG emission reductions**

**Validation and Verification**

**Credibility**
PART 2. GHG Inventory of Mongolia
The Mongolian Law on Air (revised vers. 2012), Chapter 4, Article 24:

“....24.2. The task force shall run greenhouse gas inventories and uptakes at the national level in accordance with the methodology approved by Conference of the Convention Parties.”

CCCO – climate change coordination unit
MARCC – Mongolia: Assessment Report on Climate Change
NC – National communication
Percentage of GHG emissions by sectors in 1990 and 2006

- Energy sector (including stationary energy, transport and fugitive emissions) the largest source of GHG emissions.

- Agriculture sector (mostly livestock) is the second large source of GHG emissions.
Ways forward

✓ Discuss, agree and sign MOU with the institutions detailing roles and mandates for full participation in the inventory process

✓ Institutionalize arrangements for continuous and sustainable inventory system

✓ Collaborate in the training of individual experts and institutions to ensure sustainability of the National Inventory System

✓ Coordinate the necessary activities for the update of National Emission Factors for key source categories updated

✓ Develop QA/QC plan including framework for implementation and progressive improvements. The implementation of the QA/QC plan will be done both at the level of the inventory and the sectors

✓ Upgrade of start-up data management design infrastructure, software and operations, coupled with web-based access and capabilities upgraded
THANK YOU VERY MUCH FOR YOUR KIND ATTENTION

Contact: ezsanaa@gmail.com; tel: 7000-0743
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