Measurement, Reporting and Verification (MRV) of the JCM

Kentaro Takahashi
Programme Manager
Climate and Energy Area
Institute for Global Environmental Strategies (IGES)
<table>
<thead>
<tr>
<th>Steps</th>
<th>Support by IGES</th>
<th>Support by GEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company matching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application to JCM Financing Programme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methodology development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PDD development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement, reporting and verification</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credit Issuance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Methodology development:**
- Developing draft methodology
- Coordination with governments of both sides to submit necessary documents
- Explanation to the JCM partner countries for further understandings on the proposed methodologies

**PDD Development:**
- Developing draft Project design document (PDD)
- Coordination with project participants, Third Party Entities (TPEs) and governments of both sides to submit necessary documents for each procedural step

**Monitoring report:**
- Developing draft monitoring report
- Coordination with project participants, TPEs and governments of both sides to submit necessary documents for each procedural step
Responsibility of project participants in each step

1. Methodology Development
   - Collecting and offering data for methodology development

2. Approval of Methodology
   - Organizing Local Stakeholders Consultation (LSC)

3. PDD Development Validation
   - Signature of MoC (Modalities of Communication)

4. Registration of Project
   - Monitoring data

5. Developing Monitoring Report
   - Allocation of issued credits
     - Open account in the JCM registry

6. Issuance of Credit
1. Collecting data for methodology development

- Setting default value is a key point in the development of JCM methodology. It is also important to reduce monitoring burdens for project participants.
- For example, it is helpful to collect information and catalogue related to technology which will be similar to a proposed project.
- It is essential to develop JCM methodology by using only monitoring parameters which do not require extra monitoring.

COP values by cooling capacity were collected through investigation. The maximum value of collected COP values was adopted for reference COP. (Indonesia: Chiller Project)

Source: JCM approved methodology ID_AM002 version2 additional information
Project Design Document (PDD) Development

- Emission reductions are calculated by spreadsheet automatically.
- Main point in PDD development is explanation of result of LSC.
  - ✓ The objective of LSC is to explain about project to relevant local stakeholders.
  - ✓ The scheme of the JCM is not necessarily explained in LSC.
- Since PDD form is simple, PDD can be developed in a short term except for the information related to LSC.

Necessary information for PDD
1) Overview of project & technology
2) Location of project
3) Starting date of project operation
4) Amount of emission reduction
5) Monitoring point and structure
6) Result of LSC
7) EIA (if applicable)
2. Local Stakeholders Consultation (LSC)

Necessary actions for LSC by Project Participants
1. Selection of potential participants
2. Coordination to decide date and venue
3. Preparation of materials for explanation of project

➢ It is important to communicate and coordinate early with project participants and governments.

The following record will be required at validation process.
➢ Material used for explanation of project at LSC
➢ Minutes of LSC in English

Note: In particular, comments from participants
➢ List of participants with signature (not mandatory)
➢ Photos of LSC (not mandatory)
3. Signature of Modalities of Communication (MoC)

➢ MoC is a form to designate a focal point of each project participant for communication with the JCM secretariat and Joint Committee (JC).

➢ Signatures of primary and alternative persons are necessary in the form.

➢ Signature of a project participant in host country is also needed.

Source: JCM Modalities of Communication Statement Form ver02.0 (Japan-Mongolia)
4. Monitoring data  

Case Study: Monitoring of Solar PV Project
Monitoring Parameter: MN_AM003

**Monitoring parameter**: quantity of electricity generated by the project solar PV system(s)
5. Allocation of issued credits

➢ Projects supported by the JCM financial programme are required to provide more than 50% of issued credits to Japanese government.

➢ Allocation of remaining credits is decided between Mongolian government, project participants from Japan and Mongolia.

➢ Since Mongolian government will also acquire credits, close coordination with both governments is helpful for project participants.

➢ Project participants are required to open an account in JCM registry in advance. The account numbers of project participants are necessary for completing the JCM credit issuance form.

Source: JCM Credit Issuance Request Form ver04.0 (Japan-Mongolia)
For further information

Official JCM Webpage
https://www.jcm.go.jp/
Content: rules and guidelines, JCM methodology, projects

Carbon Markets Express
https://www.carbon-markets.go.jp/eng/
Content: recent development of the JCM

GEC website
http://gec.jp/jcm/
Content: call for proposals, financial and project development, feasibility study, JCM booklet

IGES JCM Database
https://pub.iges.or.jp/pub/iges-joint-crediting-mechanism-jcm-database
Content: details of methodologies, projects, feasibility studies
Thank you for your kind attention!