Updates on JCM projects, financing programme, and JCM Matchmaking Platform

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Accelerating Private Sector Participation towards Low-Carbon Development in Indonesia - Workshop on the Joint Crediting Mechanism
Jakarta, 30 November 2016
Current status of JCM projects in the world

- 90 Model Projects
- 2 REDD+ Model Projects
- 1 ADB JF JCM
- 10 Demonstration Projects

- 15 projects registered

- 4 projects issued credits
  - Japan: 156 tCO₂
  - Indonesia: 9 tCO₂
  - Mongolia: 32 tCO₂
Financing opportunities from the JCM

Financing programme by Ministry of the Environment, Japan:

**JCM Model Project**
- Funds part of *initial investment costs (less than half)* to facilitate dissemination of low-carbon technologies.
- Covers projects that *reduce energy-related CO₂ emissions*.
- Includes projects in collaboration with JICA and other government-affiliated financial institute.

**JCM REDD+ Model Project**
- Finances part of project cost for REDD+ projects.
- Participatory monitoring of illegal logging, disaster prevention, forest restoration, provision of alternative livelihoods.

**ADB Japan Fund for JCM (JF JCM)**
- Grant for incremental cost of technologies for projects under public and state-owned entities.
- Interest subsidy to ADB-financed loans for non-government projects, to private sector borrowers and financial institutions.

Overview of financed JCM projects

- Energy efficiency and renewable energy (solar PV) are popular.
- There are also unique projects in transportation and methane avoidance sector.

Estimated GHG ER achieved by active projects: more than 900,000 tCO₂/year
Ultra-lightweight Solar Panels for Power Generation at International School (Cambodia)

Outline of project

The objective of the project is to reduce grid electricity consumption and contribute to lower greenhouse gas emissions by introduction of the 200kW ultra-lightweight solar power generation system on the rooftop and self-consumption of the generated electricity at the International School in Phnom Penh.

Expected GHG Emission Reductions

190 tCO₂/year

Source: http://gec.jp/jcm/projects/15pro_cam_02.html

The methodology for this project is under development.
Amorphous High Efficiency Transformers in Southern and Central Power Grids (Vietnam)

Outline of project

The purpose of this project is to reduce CO₂ emission through the promotion of amorphous high efficiency transformers in southern and central power distribution systems of Vietnam. **4,834 transformers** in total are introduced to realize a **reduction of distribution losses** which contribute to CO₂ emission reduction.

| Expected GHG Emission Reductions | 4,402 tCO₂/ year |

Source: http://gec.jp/jcm/projects/15pro_vie_05.html
# Waste to Energy Plant in Yangon City (Myanmar)

## Outline of project

The objective of this project is to build and operate a waste-to-energy plant that

- **generates electricity**, some of which will be supplied to a power company, resulting in reduction of fossil fuel consumption at the power plant,
- mitigates electricity shortage,
- **reduces CH4 emissions** from landfill disposal, and
- improvement of waste management in Yangon City.

## Expected GHG Emission Reductions

| Expected GHG Emission Reductions | 4,732 tCO₂/year |

Review on proposed project submitted on call for proposals for JCM Model Project

Eligibility Review

✓ Eligibility of participant
✓ Project expected to reduce emissions
✓ Inadequate utilization of the technology in the partner country
✓ Superiority of the technology
✓ Project have no adverse effect on the environment or social-economic circumstances
✓ Project expense appropriately estimated
✓ Shall not receive any other financial support or grant from the Government of Japan.
✓ For collaboration project with JICA etc.: project contribute to the climate change mitigation in collaboration with JICA or other government-affiliated financial institution

Assessment Review

✓ Robustness of the project implementation 40 points
✓ Amount of emission reductions of energy-related CO₂, and cost-effectiveness of emission reductions 40 points
✓ Potential of the dissemination of the technology 10 points
✓ Concept for developing JCM methodology and its developing status 10 points

→ 100 points in total

Benefits for selected project: financial support and technical support

Guidelines for Submitting Proposals: http://gec.jp/jcm/kobo/index.html (Call for Proposals)
**Financial support for JCM Model Project from Ministry of Environment Japan**

**Who is eligible for receiving the financial support?**
An international consortium composed of a JCM partner-country participants and Japanese participants, represented by the **Japanese participant**.

**How much is the available budget***?**
<table>
<thead>
<tr>
<th><strong>JCM Model Project:</strong></th>
<th>approx. USD 67 million (2016-2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADB JF JCM:</strong></td>
<td>approx. USD 43 million (2014-2016)</td>
</tr>
</tbody>
</table>

*some financial support were already disbursed from this budget.

**How much can a project get?**

<table>
<thead>
<tr>
<th>Number of already selected projects using a similar technology in each partner country</th>
<th>% of financial support for new project application</th>
</tr>
</thead>
<tbody>
<tr>
<td>No project (0)</td>
<td>Up to 50% (determined by participants)</td>
</tr>
<tr>
<td>1-3 projects</td>
<td>Up to 40% (determined by participants)</td>
</tr>
<tr>
<td>More than 3 projects</td>
<td>Up to 30% (determined by participants)</td>
</tr>
</tbody>
</table>
Aims to help companies find and contact each other to exchange project ideas and interests for JCM project development.
JCM Matchmaking Platform: 
Online company information form

Information to be submitted:
1. **Company information** (name, location, countries of operation, etc.)
2. **Project and technology of interest**
   - Project sector of interest
   - Technology/services/expertise you seek or offer: energy industry, energy-efficient equipment, energy distribution, transportation, biomass, biogas, waste handling and disposal, REDD+, forestry, services, etc.
3. **Contact information**
   - Company contacts
   - Contact person name, email, phone number

- This form is for information sharing only, not official project application or statement.
- This Platform does not guarantee finding potential project partner.
- Voluntary submission of this form by companies means allowing IGES to publish the information on IGES website through the JCM Matchmaking Platform.

bit.ly/JCM-Matchmaking-Platform-Online-Form
JCM Matchmaking Platform: Company search engine

- Search Japanese or partner country companies.
- Search by technology, country, company name, project sector, etc.
- Example search: “Indonesia”

Results:  
1) Listed Indonesian companies  
2) Listed Japanese companies interested in doing activities in Indonesia

E-mail and phone number information, technologies the companies seek or offer, project sector of interest. Companies can contact each other directly.

Search engine: free search

Results page

- Whilst information provided by this search engine is believed to be true and accurate at the date of going to press, IGES cannot accept any legal responsibility or liability for any errors or omissions that may have been made.
- For any query related to the companies, please contact the companies directly.
- For any query related to this search engine, please contact IGES.
JCM Matchmaking Platform: Demonstration

Welcome to the JCM Matchmaking Platform

Please enter a search term:

Submit

The JCM Matchmaking Company Search Engine is designed to assist companies in getting in touch with each other and sharing information on the technology, services, and project activity they seek or offer, as well as contact information.

The information of companies resulting from this search engine will be limited to those companies that have provided consent for their information to be published through this Platform. The companies should have some familiarity with the JCM scheme obtained through various means.

Please make direct contact with the company of your interest to obtain further details, or contact jcm-matchmaking@iges.or.jp if you need further assistance.

How to search:

You can search for company by the information they submitted, e.g. the technology they seek or offer, project sector of interest, country of operation, company name, etc. The result will include contact persons and contact information provided by the companies.

Example 1: search by the technology or service which companies seek or offer

Please enter a search term: boiler

Results will include: All companies listed in the JCM Matchmaking Platform database, located in Japan or JCM partner countries, which listed boiler as one of the technologies/services they seek or offer. The result may show include all types of boiler, as indicated by companies.

Examples of other technology: solar PV, chiller, co-generation, biogas, etc.

Examples of services: Project development and management, methodology development, financial services, etc.

http://jcm-matchmaking.iges.jp/
For further information

**Official JCM Webpage:** rules and guidelines, JCM methodology, projects

[https://www.jcm.go.jp/](https://www.jcm.go.jp/)

**GEC website:** call for proposals, financial and project development, feasibility study, JCM booklet


**New Mechanisms Information Platform:** recent development of the

[http://www.mmechanisms.org/e/](http://www.mmechanisms.org/e/)

**IGES JCM Database:** details of methodologies, projects, feasibility studies