

Implementing the JCM and creating various benefits for stakeholders

Contribution to SDGs by JCM Model Projects and

Utilization of Guideline on Gender Equality for the JCM

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The Joint Crediting Mechanism (JCM)

- Started in January 2013
- Established the JCM with 17 partner countries:

Mongolia, Bangladesh, Ethiopia, Kenya, Maldives,

Viet Nam, Lao PDR, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand and Philippines (as of 7 April 2021)

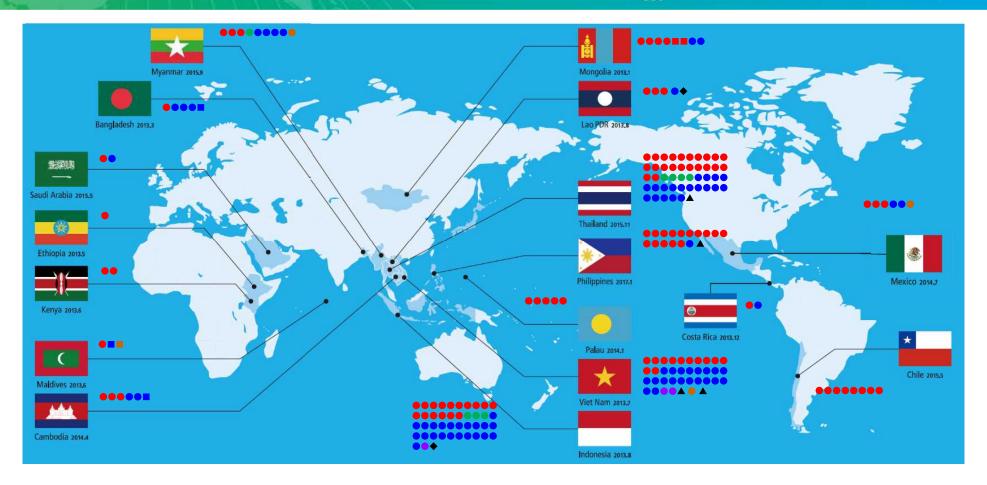
Basic Concept:

- Facilitating diffusion of advanced decarbonizing technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions, contributing to sustainable development of developing countries
- Appropriately evaluating Japan's contributions to greenhouse gas (GHG) emission reductions or removals in a quantitative manner and using them to achieve Japan and partner countries' NDC emission reduction targets

Project Map of JCM Financing Programme : as of September 27, 2021



GEC Global Environment Centre Foundation



Total 203 projects / 17 countries

(● Model Project:194, ■ ADB:5, ◆ REDD+:2, ▲ F-gas:2)

- Renewable Energy
- Effective Use of Energy
- Energy Efficiency Improvement
- Transport
- Waste Handling and Disposal



| Budget | Approx. USD83million in total with Demonstrate Decarbonization Technology for Realizing Co-Innovation Program | |
|---|--|--------------------------|
| Executing Entity | International Consortium that consists of a Japanese entity and a JCM partner-country entity (ies) | |
| Scope of Financing | Facilities, equipment, vehicles, etc. which reduce CO2 from fossil fuel combustion as well as construction cost for installing those facilities, etc. | Applicatio Acceptance |
| Eligible Projects | Start instantation area are contract or i marce is contracted and important areas in stantation within 5 years. | |
| Maximum percentage of Financial Support | Maximum of 50% and reduce the percentage according to the number of already selected project(s) using a similar technology in each partner country. **Number of already selected project(s) using a similar technology in each partner country: none (0) = up to 50%, up to 3 (1-3) = up to 40%, more than 3 (>3) = up to 30%. The percentage of financial support will be determined by GEC. | Already Closed! |
| Cost-effectiveness | Cost-effectiveness of GHG emission reductions is expected to be JPY4,000/tCO2eq or better. ** If the number of similar technological projects in a partner country is 5 or more, the cost-effectiveness is expected be JPY3,000 or lower. If it is 10 or more, JPY2,500 or lower. | |

Guideline

for Submitting JCM model project proposal

JCM for SDGs



Possible Contribution of Renewable Energy Projects to SDGs

GHG emission reduction can be implemented though renewable energy generation by replacing electric power derived from fossil fuel combustion



Photovoltaic Generation



Hydraulic Power Generation



Wind Power Generation

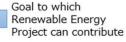


Geothermal Generation



Biomass. **Biogas Generation**

<Graph Legends>



Common Goal to which JCM Projects can contribute

*The listed goals are no more than recommended examples with high potential to contribute through implementing JCM project These goals are not limited nor mandatory to contribute.

Planning

Implementation

Operation

Decommission

Consider gender equal access to various benefits from the project such as compensation of land acquisition.



Ensure women's participation such as public hearing (5.5)

Equal rights to ownership and compensation of land acquisition (5.a)



Reduce air pollution(11.6)

Equal rights to basic services titti (1.4)

· Increase share of renewable energy (7.2)

Reducing consumption of electricity derived from fossil fuel, improve the sustainability of the installed facility such as factory, hotel and hospital.



Increase resource-use efficiency and greater adoption of clean and environmentally sound technologies (9.4)



Sustainable management and efficient use of natural resources (12.2) Environmentally sound management of all wastes throughout their life cycle (12.4)

Reduce air and water pollution, noise and vibration by implementing proper disposal Reduce waste generation through prevention, reduction, recycling and reuse (12.5) and recycling.



Prevent adverse effects on forestation and biodiversity conducting proper environment assessment according to the laws and regulations in the partner country.





· Education and training for relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship (4.4)

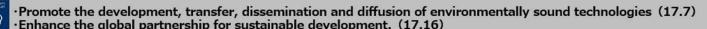


·Full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value. (8.5)



·Adopt supply chain without child labor, exploitation, conflict and corruption. (5.2, 8.8, 16.2, 16.5)

·Take urgent action to combat climate change and its impacts. (13)





Guideline on Gender Equality for the Joint Crediting Mechanism (JCM)

- -Issued in April 2020
 - Basic Principles of Guideline on Gender Equality
 - Women's Empowerment
 - Gender-balanced Decision-Making Process
 - Women's Health and Well-being



Recommendations for Gender equality at each stage

Planning

Implementation

Operation

Informationsharing

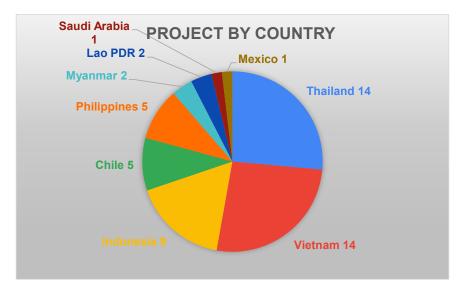
Recognize and plan;

- > How to promote women's empowerment?
- > What are gender challenges?
- > Gender balanced decision-making?
- Increase employment opportunity, leadership and training of women and promote gendersensitive work environment.
- Incorporate women's opinions and ensure gender-equal access to various benefits from the project (e.g. compensation of land acquisition)
- Advance women's employment and training esp. for management and technical experts
- Incorporate women's comments and input at stakeholder consultation
- Disseminate information of gender equality measures and lessons learned thorough implementing JCM project.
- Periodically monitor the project in aspect of gender equality.

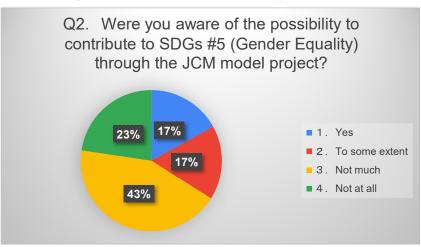


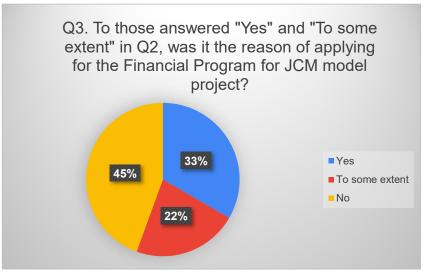
O Outline of Survey

- Purpose:
 - 1. To know the awareness of the guideline on gender equality for JCM by the applicants
 - 2. To see the status of the project implementation following the Guideline
 - 3. To grasp necessary information and supporting tools to tackle gender issues in the JCM model projects



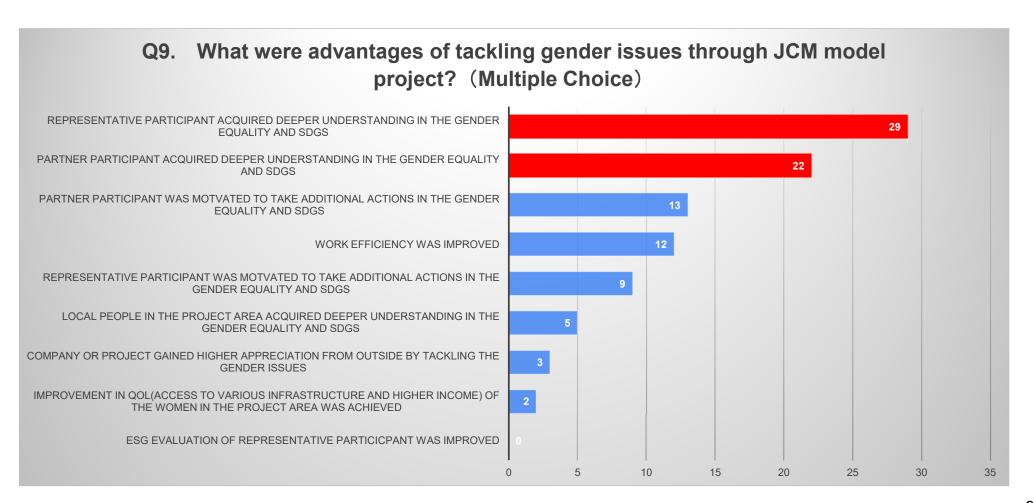
Awareness of SDGs and Motivation to apply for JCM model project



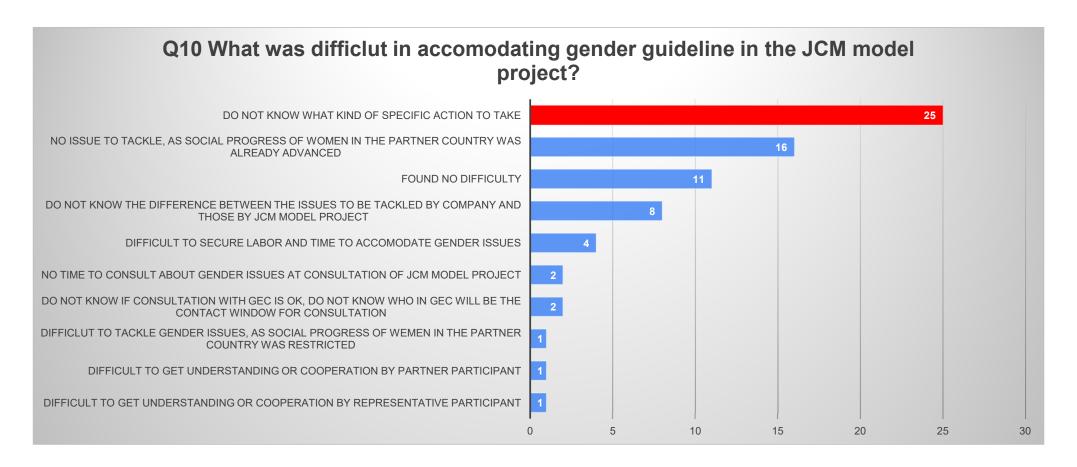




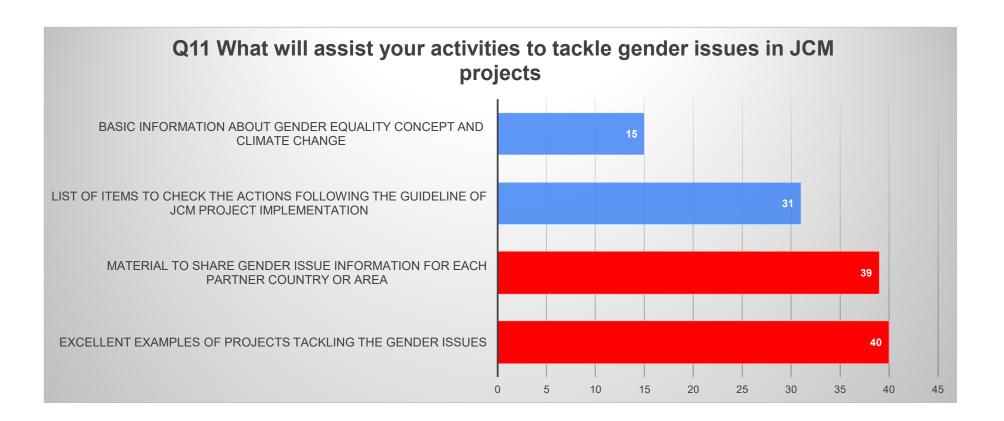
Advantages of Gender Guideline Implementation



Difficulties of Gender Guideline Implementation



Promoting Tools for Gender Guideline Implementation





Introduction of High Efficiency LED Lighting Utilizing Wireless Network







- Project in Cambodia in FY2015
- Representative Participant: MinebeaMitsumi Inc.
- Partner Participant:

Overseas Cambodian Investment Corporation, Siem Reap Provincial Hall, **APSARA**

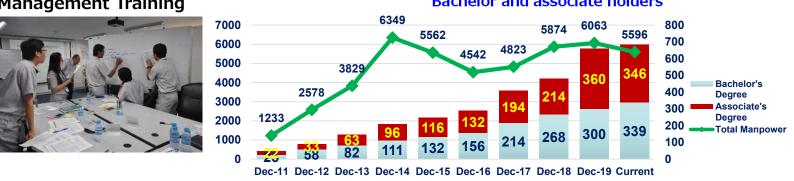
- 5,672 units of high efficiency LED Lighting utilizing wireless network technology with centralized control and monitoring of streetlights by wireless network
- Established LED lighting equipment factory for domestic and international market
- Courtesy call with Samdech Prime Minister



Training Opportunity for All Positions

- Technical training to develop highly skilled employees
- Increasing recruitment of bachelor and associate degree
- **Fastest education system by overseas training (Over 5,000 trainees)**

Khmer language class Line Leader Training **Computer Training Technical Training Bachelor and associate holders Management Training**







Fulfill the Sustainable Development Goals (SDGs)

Environment

- Introduction of highly efficient LED streetlights centrally controlled by wireless network
- Additional energy saving by remote dimming control
- Manufacturing for sustainable development and global environment
- Expandability to different smart solutions using various sensor devices

Society

- Introduction of infrastructure with innovative technology
- Job creation by technological transfer in partner country
- Contribution to develop safe and smart city













































Thank you very much ありがとうございました

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