

## **Initiatives and activities to promote the JCM in Thailand**

**Thailand**

**by**

**Thailand Greenhouse Gas Management Organization**

At the  
Workshop on Facilitating the JCM implementation in Asia and Pacific  
28 February 2017  
Dai-ichi Hotel Tokyo

**TGO is a Public Organization under the Ministry of Natural Resources and Environment**

**Established 7<sup>th</sup> July 2007**

## **Signing ceremony on November 19, 2015**



**The MoC was signed by**

**General Surasak Kanjanarat, Minister of Natural Resources and Environment, Thailand**

**and**

**H.E. Ms. Tamayo Marukawa, Minister of the Environment, Japan**

## Joint Committee Meetings

↗ TGO organized Thai JC meetings for 5 times as;

Date	Purpose of Meeting
3 <sup>rd</sup> December, 2015	To prepare readiness for the first JC meeting between Thailand and Japan on 29 <sup>th</sup> January, 2016.
5 <sup>th</sup> January, 2016	
31 <sup>st</sup> March, 2016	To summarize the results of the first JC meeting between Thailand and Japan.
5 <sup>th</sup> July, 2016	To summarize the issue on Carbon Credit Allocation for Japan.
8 <sup>th</sup> August, 2016	To prepare readiness for the second JC meeting between Thailand and Japan on 23 <sup>rd</sup> August, 2016

↗ TGO organized JC meetings for 2 times as;

Date	Purpose of Meeting
29 <sup>th</sup> January, 2016	Appointment of Co-chair, Adoption of Rules and Guidelines
23 <sup>th</sup> August, 2016	Adoption of Rules and Guidelines, Methodologies, Designation as a Third Party Entities

## **The First JC meeting on January 29, 2016**

- Adoption of Rules of Procedures for the Joint Committee
- Appointment of Co-Chairs and establishment of the JC secretariat
- Adoption of Rules of Implementation for the JCM
- Adoption of JCM Project Cycle Procedures and guidelines as follows:
  - Developing Proposed Methodology
  - Developing Project Design Document and Monitoring Report
  - Designation as a Third-Party Entity
  - Validation and Verification
- Adoption of forms used in the project development and approval

## **The Second JC meeting on August 23, 2016**

- Adoption of JCM Glossary of Terms and JCM Credits Issuance Request Form
- Adoption of Common Specifications of the JCM Registry
- Approval of 2 Methodologies
  - Installation of Solar PV System
  - Energy Saving by Introduction of Multi-stage Oil-Free Air Compressor
- Approval of 2 Third Party Entities (TPEs)
  - Lloyd's Register Quality Assurance Ltd. (LRQA)
  - Bureau Veritas Certification Holding SAS (BVCH)

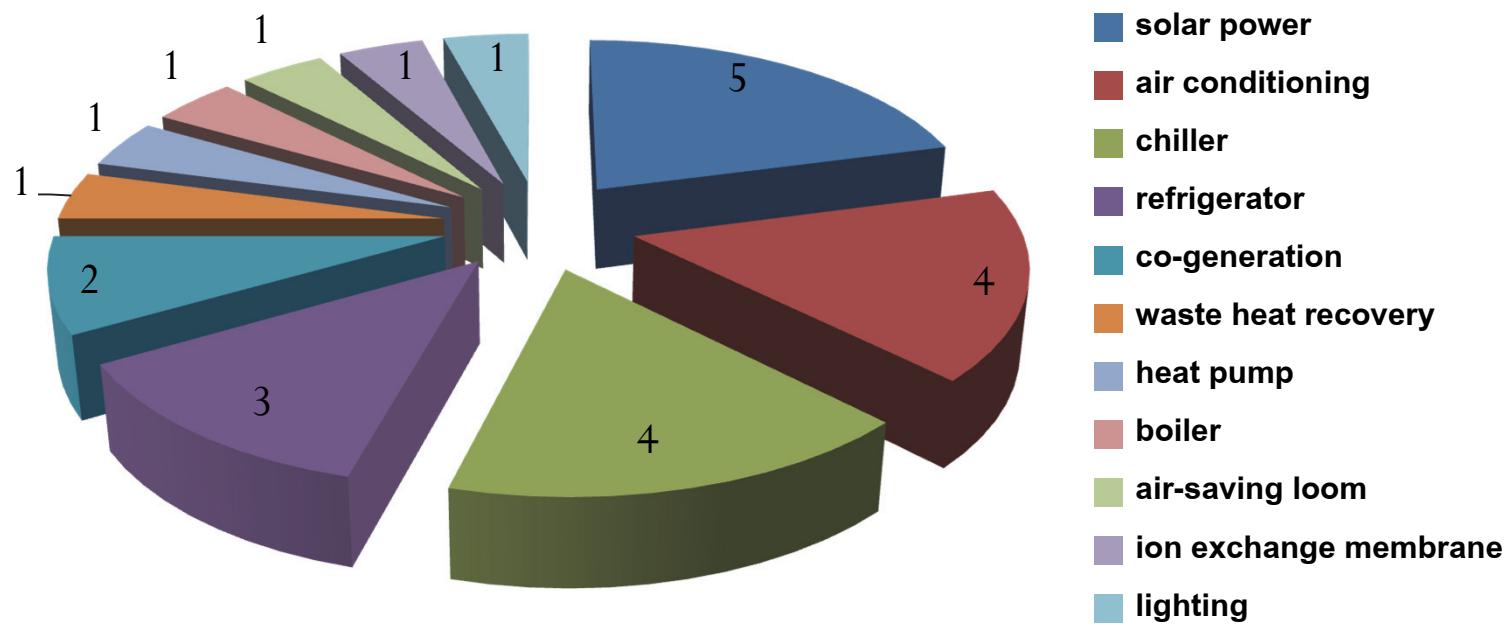
## Seminar and Workshop

Date	Title of Meeting	Organizer
6 <sup>th</sup> November, 2015	JCM capacity building in Thailand	TGO and IGES
25 <sup>th</sup> January, 2016	A training for JCM TPE	TGO and IGES
7 <sup>th</sup> April, 2016	<b>Opportunities and Development of JCM for the private sector (give information of the MOEJ funding for FY 2016 – First call)</b>	TGO
6-7 <sup>th</sup> July, 2016	Japan-Thailand Joint Crediting Mechanism (JCM)	TGO and METI
27 <sup>th</sup> September, 2016	Developing JCM Projects in Thailand	TGO and ADB
30 <sup>th</sup> September, 2016	Workshop on writing PDD	TGO and IGES
5 <sup>th</sup> October, 2016	<b>Opportunities and Development of JCM for the private sector (give information of the MOEJ funding for FY 2016 – Second call)</b>	TGO

## Types of JCM Model Project

Project type	Number of projects	GHG reduction (tCO <sub>2</sub> /y)
energy demand	16	67,200
energy industries	5	20,068
	21	87,268

Number of project categorized by technology



## JCM Methodology

<b>Methodology code</b>	<b>Title</b>	<b>Submission</b>	<b>Complete-ness check</b>	<b>Public input</b>	<b>Received inputs</b>
TH_AM001	Installation of Solar PV System	25 July 2016	28 July 2016	29 July to 12 August 2016	0
TH_AM002	Energy Saving by Introduction of Multi-Stage Oil-Free Air Compressor	3 August 2016	5 August 2016	6 August to 20 August 2016	0
TH_PM003	Energy Saving by Introduction of High Efficiency Centrifugal Chiller	5 August 2016	8 August 2016	9 August to 23 August 2016	1
Installation of Displacement Ventilation Air Conditioning Unit in the Cleanroom of Semiconductor Manufacturing Factory (Sony semiconductor)					
Installation of Inverter-type Air Conditioning System for Cooling for Convenience Store(s) (Familymart) [Exclude the fridge showcase]					

# Facilitating the Local Stakeholder Consultation

Type of project	have impact	may have impact	have no impact	Process
Energy saving i.e. high efficiency lighting, chiller, air-conditioner, fridge, air-compressor, ion-exchange membrane electrolyzer			✓	find out impact of project
Renewable energy i.e. solar rooftop, floating solar farm		✓		identify all relevant stakeholders
Co-generation using natural gas e.g. 7 MW, 7.8 MW	✓			prepare summary information about the project activities (in Thai)
Waste heat recovery e.g. 12 MW cement plant	✓			make a plan for local stakeholder consultation meeting
				finalize LSC documents
				make the information of project activities publicly available
				local stakeholder consultation meeting
				prepare the summary of LSC result

## Facilitating implementation of the JCM model project

Problem	Action	Result
<b>may be withdrawn from JCM Model project financing program due to the delay of getting permission for using gas transmission and distribution piping system</b>	<b>clarify the time frame of approval process by the Ministry of Energy</b>	<b>continue</b>
<b>not have electricity rate for power purchase agreement due to the new type of solar power technology</b>	<b>issue a letter describing benefit and co-benefit of the technology to the Office of Energy Regulatory Commission</b>	<b>Continue</b>
<b>can not get approval for grid connection</b>	...	...

# Facilitating extension of MoC

Bilateral Cooperation on the Joint Crediting Mechanism for the Low Carbon Growth Partnership between the Kingdom of Thailand and Japan
1. The Thai side and the Japanese side (hereinafter referred to as "both sides"), in pursuit of the ultimate objective of the United Nations Framework Convention on Climate Change (hereinafter referred to as the "Convention") as stated in its Article 2 and of achieving sustainable development, and in order to continue to address climate change in cooperation, promote the Low Carbon Growth Partnership as follows.
2. Both sides hold close policy consultations at various levels for cooperation toward low carbon growth under the United Nations, at the regional and bilateral frameworks, including the East Asia Low Carbon Growth Partnership.
3. Both sides, in order to promote investment and deployment of low carbon technologies, products, systems, services and infrastructure to achieve low carbon growth in Thailand, establish a joint Crediting Mechanism (hereinafter referred to as the "JCM") and implement it in accordance with the relevant domestic laws and regulations in force in respective countries.
4. Both sides establish the Joint Committee to operate the JCM. (1) The Joint Committee consists of representatives from both sides. (2) Rules of procedures of the Joint Committee, including its membership, are formulated through consultations between both sides. (3) The Joint Committee develops rules and guidelines regarding the JCM, methodologies to quantify the amount of greenhouse gases emission reductions or removals, requirements for the designation of third-party entities, and other matters relating to the implementation and administration of the JCM as necessary. (4) The Joint Committee convenes meetings on regular basis to evaluate the implementation of the JCM.
5. Both sides mutually recognize that verified reductions or removals from the mitigation projects under the JCM can be used as a part of their own internationally pledged greenhouse gases mitigation efforts.
6. Both sides ensure the robust methodologies, transparency and the environmental integrity of the JCM and maintain the JCM simple and practical, to promote concrete actions for global greenhouse gases emissions reductions or removals.

7. Neither side uses any mitigation projects registered under the JCM for the purpose of any other international climate mitigation mechanisms to avoid double counting on greenhouse gases emission reductions or removals.	
8. Both sides will work in close cooperation to facilitate financial support necessary for the implementation of the JCM. The Japanese side will facilitate technological and capacity building support to the Thai side for the implementation of the JCM.	
9. The JCM starts its operation as the non-tradeable credit type mechanism. Both sides continue consultation for the transition to the tradeable credit type mechanism and reach a conclusion of such consultation at the earliest possible timing, taking into account the implementation of the JCM.	
10. Both sides aim for concrete contributions to assisting adaptation efforts of developing countries through the JCM after the JCM is converted to the tradeable credit type mechanism.	
11. This Bilateral Cooperation covers the period until a possible coming into effect of a new international framework under the Convention. Both sides consider possible extension of this bilateral cooperation and reach a conclusion before its termination, taking into account, <i>inter alia</i> , the progress made in the United Nations negotiations on climate change.	
12. Any content of this Bilateral Cooperation is modified only by mutual written consent between both sides.	
13. This Bilateral Cooperation is not legally binding and does not create any obligations.	
Signed in Tokyo on 19 November 2015, in two originals in the English language.	
 General Surasak Karunarat Minister of Natural Resources and Environment The Kingdom of Thailand	 Tamayo Marukawa Minister of the Environment Japan

Date	Action
27 Jun 2016	Embassy of Japan in Thailand sent a letter to TGO asking for the extension of MoC.
1 Aug 2016	TGO sent a letter to the Department of Treaties and Legal Affairs asking for comments on the extension of MoC.
23 Aug 2016	The Japanese side presented about the extension of MoC in the 2nd Joint Committee meeting.
22 Sep 2016	Board of Director of TGO approved the extension of the MoC until 2030.
26 Oct 2016	Stakeholder consultation meeting was held; as a result, the termination date of MoC is fixed on 31 December 2030. The revision of MoC was sent to the Japanese side.
29 Nov 2016	TGO sent a letter to the Minister of Natural Resources and Environment asking for the approval of MoC extension.
4 Jan 2017	Ministry of Foreign Affairs, Kingdom of Thailand forwarded a letter from Ministry of Foreign Affairs of Japan to TGO. The letter details about the acceptance of the Japanese side.
27 Jan 2017	National Subcommittee on Climate Change agreed with the extension of the MoC until 31 December 2030.
10 Feb 2017	National Committee on Climate Change approved the extension of the MoC until 31 December 2030.
... .... ...	Waiting for a cabinet resolution

## For more information



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