Date of meeting: 21 August 2017
Place of meeting: Bangkok, Thailand

Joint Committee of the Joint Crediting Mechanism
between Thailand and Japan
Third Meeting

Meeting Report

Agenda item 1. Opening

Mrs. Sunee Piyapanpong, Deputy Permanent Secretary, Office of Permanent Secretary of Natural Resources and Environment, opened the third meeting of the Joint Committee (JC) of the Joint Crediting Mechanism (JCM) and gave opening remarks.

Mr. Hirofumi Miyake, Minister-Counsellor, Embassy of Japan in Thailand, gave opening remarks.

Table: Attendance

JC Members from Thai side	
Mrs. Sunee PIYAPANPONG	Office of Permanent Secretary for Natural Resources and Environment
Mr. Watcharin BOONYARIT	Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy
Mr. Anuphan ITTHARATANA	Pollution Control Department (PCD), Ministry of Natural Resources and Environment
Mrs. Anong PAIJITPRAPAPON	Department of Industrial Works (DIW), Ministry of Industry
Mr. Phirun SAIYASITPANICH	Office of Natural Resources and Environmental Policy and Planning (ONEP), Ministry of Natural Resources and Environment
Mr. Pairat TANGKASERANEE	The Federation of Thai Industries (FTI)
Mrs. Prasertsuk CHAMORNMARN	Thailand Greenhouse Gas Management Organization (TGO), Ministry of Natural Resources and Environment
JC Members from Japanese side	
Mr. Hirofumi MIYAKE	Embassy of Japan in Thailand

Ms. Mio OTASHIRO (alternate)	Ministry of Foreign Affairs
Ms. Rio MIYAGUCHI (alternate)	Ministry of Economy, Trade and Industry
Mr. Naoki TORII (alternate)	Ministry of the Environment
Ms. Naoko TSUKADA	Forestry Agency
Mr. Yoshinori SUGA	Embassy of Japan in Thailand

* The names of members present at the meeting are in bold print above.

Agenda item 2. Organizational matters

Agenda item 2.1 Adoption of the agenda

The JC adopted the agenda of the meeting.

Agenda item 2.2 Approval on attendance of observers

The JC gave its consent to attendance of observers at this JC meeting.

Agenda item 3. Rules and guidelines

Agenda item 3.1 Revisions relate to extension of the JCM

The JC considered the draft revisions on "Rules of Implementation for the Joint Crediting Mechanism (JCM)", "JCM Guidelines for Developing Project Design Document and Monitoring Report", "JCM Verification Report Form" and "JCM Credits Issuance Request Form", and adopted them, as contained in Annexes (Annex 1, 2, 3 and 4) to this meeting report.

Agenda item 3.2 Revisions related to editorial matters

The JC considered the draft revisions on "JCM Project Cycle Procedure", and adopted it, as contained in Annex 5 to this meeting report.

Agenda item 4. JCM methodology

Agenda item 4.1 Energy Saving by Introduction of High Efficiency Centrifugal Chiller

The JC considered the proposed methodology TH_PM003 "Energy Saving by Introduction of High Efficiency Centrifugal Chiller" and the public comment received to the proposed methodology.

In response to the points raised by the public comment, the JC concluded as following:

i. The COP values used to determine the reference COP values were collected from catalogues of major chiller manufacturers and re-calculated under the same standardized temperature conditions; and
ii. Project chillers in this proposed methodology should be inverter type so as to apply the

reference COP values based on those of inverter type chillers and the title should be modified to "Energy Saving by Introduction of High Efficiency Inverter Type Centrifugal Chiller" so as to clarify the scope of the methodology.

In addition to the public comment received, the JC considered CO_2 emission factors for captive electricity taking into consideration the situation in Thailand and concluded to add conditions and a default emission factor for captive electricity generated with natural gas.

Based on the consideration, the JC approved the proposed methodology TH_PM003 with revisions, as contained in the Annex 6 to this meeting report.

Agenda item 4.2 Energy Saving by Introduction of High Efficiency Non-Inverter Type Centrifugal Chiller

The JC considered the proposed methodology TH_PM005 "Energy Saving by Introduction of High Efficiency Non-Inverter Type Centrifugal Chiller". Based on the consideration, the JC approved the proposed methodology TH_PM005, as contained in the Annex 7 to this meeting report.

The JC took note of concerns raised by a JC member with respect to implications of the difference in figures of global warming potentials (GWP) of possible refrigerants used in existing and project chillers as the methodology prohibits the use of refrigerants with the ozone depletion potential by the project chiller. The JC also took note of the importance of promoting lower GWP refrigerants including natural refrigerants in future.

Agenda item 4.3 Installation of Displacement Ventilation Air Conditioning Unit in the Cleanroom of Semiconductor Manufacturing Factory

The JC discussed on the proposed methodology TH_PM007 "Installation of Displacement Ventilation Air Conditioning Unit in the Cleanroom of Semiconductor Manufacturing Factory". Based on the consideration, the JC approved the proposed methodology TH_PM007, as contained in the Annex 8 to this meeting report.

Agenda item 4.4 Installation of Energy Saving Air Jet Loom at Textile Factory

The JC considered the proposed methodology TH_PM004 "Installation of Energy Saving Air Jet Loom at Textile Factory". Based on the consideration, the JC approved the proposed methodology TH_PM004, as contained in the Annex 9 to this meeting report.

Agenda item 4.5 Energy Saving by Introduction of Multi-stage Oil-Free Air Compressor

The JC considered the proposed methodology TH_PM006 "Energy Saving by Introduction of

Multi-stage Oil-Free Air Compressor". Based on the consideration, the JC approved the proposed methodology TH_PM006, as contained in the Annex 10 to this meeting report.

Agenda item 5. Project registration

Agenda item 5.1. Introduction of Solar PV Systems on Rooftops of Factory and Office Building

The JC considered the proposed project "Introduction of Solar PV Systems on Rooftops of Factory and Office Building" and decided to register it.

Agenda item 6. Designation as a Third-Party Entity

The JC designated the following entities as Third-Party Entities.

- Japan Quality Assurance Organization (JQA)
  (validation and verification functions in sectoral scopes: 1, 3, 4, 5, 10, 13, 14)
- Japan Management Association (JMA)
  (validation functions in sectoral scopes: 1, 2, 3and verification functions in sectoral scopes: 1, 2, 3, 14)

Agenda item 7. Other matters

Agenda item 7.1. Promoting development of JCM projects in Thailand

The Japanese side explained contributions from Japan, the financing programme for JCM model projects and ADB Trust Fund (Japan Fund for the JCM), and updated information on the JCM model projects which are currently implemented in Thailand.

The Japanese side also explained JCM promotion scheme, JCM Demonstration Project, MRV Application Study and JCM Feasibility Study.

The JC noted the importance of emission reduction projects in transportation sector and usefulness of further studies in the same scope.

Agenda item 8. Conclusion of the meeting

The Co-Chairs gave closing remarks and closed the meeting.

Annexes to the report

Annex 1 Rules of Implementation for the Joint Crediting Mechanism (JCM) (version 02.0)
Annex 2 JCM Guidelines for Developing Project Design Document and Monitoring Report (version 02.0)
Annex 3 JCM Verification Report Form (version 02.0)

Annex 4 JCM Credits Issuance Request Form (version 02.0)

Annex 5 JCM Project Cycle Procedure (version 02.0)

Annex 6 TH_AM003 “Energy Saving by Introduction of High Efficiency Inverter Type Centrifugal Chiller”

Annex 7 TH_AM005 “Energy Saving by Introduction of High Efficiency Non-Inverter Type Centrifugal Chiller”

Annex 8 TH_AM006 “Installation of Displacement Ventilation Air Conditioning Unit in the Cleanroom of Semiconductor Manufacturing Factory”

Annex 9 TH_AM004 “Installation of Energy Saving Air Jet Loom at Textile Factory”

Annex 10 TH_AM002 “Energy Saving by Introduction of Multi-stage Oil-Free Air Compressor” (version 02.0)