Bangkok-Yokohama City to City Cooperation and the Joint Crediting Mechanism (JCM)

Workshop on City-to-City Collaboration
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Overview of the Feasibility Study

**Name of the Feasibility Study:**
JCM projects development (energy efficiency, and waste and waste water) under the Bangkok Master Plan on Climate Change, and study on financial and other facilitation schemes for introducing low carbon technologies

**Japanese Secretariat**
Overseas Environmental Cooperation Center, Japan (OECC)

**Participants of the Study**
Bangkok Metropolitan Administration (BMA), Yokohama City, finetech inc., InterAct Inc., JFE Engineering Corporation

**Objective:**
To identify and select potential projects that can reduce CO2 emission and support the implementation of the Bangkok Master Plan on Climate Change

**Target sectors:**
ESCO, Renewable energy, Waste management, water & sewer, Transportation, Low-carbon city
FS Implementation structure

Collaboration with the component of the Bangkok Master Plan project (JICA)

Local government: BMA
- Department of Environment (Focal point)
- Transport/City Planning/Waste management, etc.

Partners in Thailand:
- Public corporations, Private companies
  (ESCO, Renewable energy, Waste management, Water & Sewage, Transport, Low carbon city)

Local government: Yokohama
- International Affairs bureau (Focal point)
- Global warming/Architecture, etc.

Partners in Japan:
- Companies in Yokohama, Y-PORT members
  (ESCO, Renewable energy, Waste management, Water & Sewage, Transport, Low carbon city)

Tech. transfer

OECC (Secretariat)

Support for MRV methodology

InterAct

Proposal for JCM project

Finetech

JFE Engineering

JCM Subsidy (expected after project development)

Ministry of Environment, Japan

Structure of the Feasibility Study in FY 2015

Study on Energy efficiency, Waste & Waste water sector

Bangkok Metropolitan Administration, City of Yokohama, TGO, DEDE, (Secretariat) OECC, InterAct

Energy Efficiency Group Alliance
(Private Sector in Bangkok and Yokohama)

Cluster 1: ESCO Companies, Engineering Service Companies
Cluster 2: Energy Efficiency project owners
  (Owners and sites are Indentified)
  BMA hospitals, Private hospitals
  Industrial Parks
Cluster 3: Finance and trading companies

Bangkok Metropolitan Administration, City of Yokohama, (Secretariat) OECC, InterAct

Waste Project Development
(Private Sector in Bangkok and Yokohama)

Cluster 1: JFE Engineering Corporation
(JCM project at large-scale incineration plant)

Cluster 2: finetech inc.
(Waste disposal of public facilities)

Cluster 3: Project Development (wastewater)
(Low carbon tech. for a new waste water treatment plant planned by BMA)

Expected Outputs
- Realization of JCM projects of hospitals (subsidy program etc.)
- Elaboration of applying "Program approach for building energy efficiency" and program support scheme with introduction of private finance
- Introduction of Energy Code such as CASBEE*
- Developing JCM project in Industrial Estates

Development on Potential JCM projects
(Private Sector in Bangkok and Yokohama)

- Match-making between Bangkok and Yokohama private sector organizations
- Technical consultation and dispatching Japanese experts and data collecting which is useful for JCM project development

*CASBEE: Comprehensive Assessment System for Built Environment Efficiency
Platform established through the City to City Cooperation

Current status
(1) Needs from Thailand companies clarified last year's survey
(2) GHG reduction measures proposed under BMA Master Plan on Climate Change

«BMA»
Public and Private entities in Bangkok
◆ Conducting technical consultation as an incentive
◆ Collection of data useful for JCM project development
◆ Developing JCM projects in Bangkok
Study tour in Japan

«Yokohama»
Yokohama private sector organizations
Technical experts (from private sector and local government with low carbon technologies.)

Outputs
(1) Clarifying compatibility of tech., requirements of JCM schema
(2) Finding GHG reducing PJ—Clarifying Feasibility of JCM project development

Main activities and discussions implemented in the Feasibility Study
◆ Conducted workshop participated by Thai and Japanese companies in July and introduced JCM scheme and field business matching.

Study tour in Japan
Conducted training course (study tour) Enforcing relationship between Thai and Japanese companies to promote project development (conducted in 2014 and 2015 respectively)

Example from a tour 2015
Date: 2015, 19th October ~ 23rd (5 days)
➢ Participants: Theme 1: BMA (2 persons), BMA hospitals (4 persons)
➢ Theme 2: BMA (1 person), private company (1 person)
➢ Sites:
  Theme 1: Azbil Fujisawa Techno center (ESCO/BEMS etc.), Minato Mirai Center Building (CASBEE, S-rank), Yokohama Sports and Medical Center, Nissan Stadium, Yokohama city university hospital (ESCO project)
  Theme 2: JFE Engineering (Recycle of fluorescent light; incineration), Yokohama north-part sludge resource center (electricity generation by sludge), Yokohama Kanazawa plant, Mansei Recycle System
Thank you!