Cooperation between Siem Reap, Cambodia, and Kanagawa Prefectural Government

Energy Division, Industry Department, Industry and Labor Bureau
Kanagawa Prefectural Government (K.P.G.)
Start of Cooperation
As part of JCM Major Project Feasibility Survey, K.P.G. received delegation in Nov. 2014, which visited Japan for training. Following the visit, K.P.G. received request for support.

Gave a briefing on energy measures
Challenges that Siem Reap Faces

- Rapid urbanization
- Dependence on imported electric power
- Back-up by diesel power generation

Needs to ensure electric power

- Increase of tourists following the registration as a World Heritage site
- Request for conservation by UNESCO (e.g. measures against acid rain)

Conservation of historic remains

Urgent needs to create a low-carbon tourist town
Kanagawa Smart Energy Plan

Background
The Plan was formulated as a basic plan for the energy policy based on “K.P.G. Ordinance on Promoting Renewable Energy”, established in July 2013.

Three Principles
- Less dependence on nuclear power
- Consideration for the environment
- Promotion of local production of energy for local consumption

Five Basic Policies
- Rapid introduction of renewable energy
- Introduction and expansion of stable decentralized power source
- Promotion of energy conservation utilizing ICT
- Creation of smart community utilizing regional features
- Development and promotion of energy industry

K.P.G.’s measure may help Siem Reap solve their issues.

Centralized generation
- Nuclear power generation
- Thermal power generation

Decentralized power generation
- Solar power generation
- Wind power generation
- Gas cogeneration
Major Programs for This Fiscal Year

① Community-based solar power generation
  - Company site investigation
  - Training in Japan (observation visit)

② Biomass power generation using organic waste and rice husk
  - Company site investigation
  - Training in Japan (observation visit)
Entire Picture of the Project

Siem Reap
- Traffic
- Environment
- Poverty

K.P.G.
- MOU
- Introduced “Rental Roof” power generation project, etc.

Solutions
- Creation of low-carbon tourism town
  - Community-based solar power generation project through rental roof of public high school
    - Self-consumption type power generation system was realized
  - Biomass power generation project using organic waste and rice husk
    - Location of installation was fixed and survey of rice husk collection was completed

Needs to solve these problems
- Export of infrastructure