JICA’s Technical Cooperation Schemes - Toward low-carbon and sustainable development

Japan International Cooperation Agency (JICA)

March 2015
CTCN Workshop in Bangkok

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**About JICA**

JICA extends Japanese ODA (Official Development Assistance) through integrated implementation of grant aid, technical cooperation and concessional loan. Annual commitment was over US$15 billion in 2013.

**Comprehensive Support by JICA**

- JICA is responsible for most of Japan’s bilateral climate related aid, offering comprehensive support using the combination of its technical & financial support in alignment with international framework.

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**Total amount of assistance:** 17.6 billion (US$)

**Sectoral breakdown:**
- Grant Aid: approx. 13.8 billion
- ODA Loan: approx. 1.38 billion
- Other Official Flows (OOF): approx. 2.45 billion

**Categorical rate of aid scheme:**
- Mitigation: 36%
- Adaptation: 15%
- Mitigation & Adaptation: 49%
JICA’s Technical Cooperation

- Technical Cooperation: includes...
  1. training programs in Japan
  2. dispatch of experts
  3. provision of equipment

- Technical Cooperation Project consists of the components shown above.
Technical cooperation project -Formulation Process

Policy Dialogue: Bilateral policy dialogue with the recipient government on prioritized development fields/agendas

Official Request: Official request for cooperation by the ministries/agencies in change through the recipient government (Usually by the end of August or ad-hoc basis in urgent cases)

Approval of the Project: Approval of the Project by the GOJ and notification to the recipient government (Usually in January-February or ad-hoc basis in urgent cases)

Detailed planning survey: Formulation of PDM (Project Design Matrix) by participatory planning, with counterparts and related stakeholders in the recipient country

Signature of R/D: Framework of the Project is specified in the R/D (Record of Discussions), and signed between the recipient government and JICA

Commencement of the Project: Technical cooperation Project usually starts upon arrival of the JICA expert(s) in the Project site.

Technical cooperation project -Key concept and criteria for evaluation

- “Capacity Development” as a key concept
  “The process in which individuals, organizations, institutions, and societies develop “abilities” either individually or collectively (to respond to issues) to perform functions, solve problems, and set and achieve objectives.”

- DAC 5 criteria for evaluating development assistance
  - Relevance
    The extent to which the aid activity is suited to the priorities and policies of the target group, recipient and donor.
  - Effectiveness
    A measure of the extent to which an aid activity attains its objectives.
  - Efficiency
    Outputs -- qualitative and quantitative -- in relation to the inputs
  - Impact
    The positive and negative changes produced by a development intervention, directly or indirectly, intended or unintended.
  - Sustainability
    Whether the benefits of an activity are likely to continue after donor funding has been withdrawn
Bangkok Master Plan on Climate Change 2013 – 2023
(Project Period: 2013-2015)

Steering Committee chaired by Deputy-Governor of BMA
Participants: Representatives from the participating departments of BMA, TGO, OTP, PCD, NESDB, ONEP, DEDE, etc.

Secretariat (Department of Environment, BMA)

Working Groups
- Environmentally Sustainable Transport
- Energy Efficiency and Alternative Energy
- Efficient Solid Waste Management and Wastewater Treatment
- Green Urban Planning
- Adaptation Initiatives

Output 1: Preparation of Bangkok Master Plan on Climate Change
• Assessment of the Bangkok Action Plan on Global Warming Mitigation 2007 – 2012
• Improvement of Data Collection, Methodologies for Estimation and Monitoring of GHG Emission
• Development of Sectorial Strategies
• Public consultation, Workshops and Seminars
• Dissemination of the Master Plan

Output 2: Strengthened Capacity of BMA officials
• Training Programs for BMA officials
• Seminars/Workshops for Related Stakeholders
• Development of Educational Materials

Proposal-based Partnership Programs
JICA Partnership Program (JPP) was introduced in 2002 to support the implementation of projects formulated by Japanese NGOs, local governments and universities to utilize their accumulated knowledge and experience in technical assistance activities.

JPP is based on proposals from NGOs, local governments and universities in Japan, and agreement with the recipient government is required prior to implementation of the project.

A selected project receives assistance from JICA up to 10-100 million yen for the project expenses for a cooperation period of within 3-5 years.

<Examples> Projects of JICA Partnership Program (Local government type)
-Projects in the environmental fields-

<table>
<thead>
<tr>
<th>Year Implemented</th>
<th>Country</th>
<th>Project Name</th>
<th>Municipality Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY2013-2015</td>
<td>Cambodia</td>
<td>Improvement of Drainage/Sewerage System and Water Environment in Siem Reap</td>
<td>City of Kofu, Yamanashi</td>
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<tr>
<td>FY2012-2014</td>
<td>China</td>
<td>Project for Measure against Desertification in Rindenken</td>
<td>Niigata pref.</td>
</tr>
<tr>
<td>FY2012-2014</td>
<td>Malaysia</td>
<td>Environmental Conservation and Domestic Solid Waste Management in Kuching, Sarawak, Malaysia</td>
<td>Town of Motegi, Tochigi</td>
</tr>
<tr>
<td>FY2012-2014</td>
<td>Malaysia</td>
<td>Training Program for Biomass Carbonization by the Yamasen Pool-type Oven</td>
<td>City of Yame, Fukuoka</td>
</tr>
<tr>
<td>FY2012-2015</td>
<td>Vietnam</td>
<td>HoiAn's Naha Model Solid Waste Management Project</td>
<td>City of Naha, Okinawa</td>
</tr>
<tr>
<td>FY2012-2014</td>
<td>Brazil</td>
<td>Improvement of garbage recycle system in Mogi das Cruzes, Sao Paulo, Brazil</td>
<td>City of Toyama</td>
</tr>
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Projects of JICA Partnership Program
(Local government type)

-Projects in environmental fields-

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<td>FY2013-2015</td>
<td>Mongolia</td>
<td>Regional improvement cooperation by revegetation of Sainshand Industrial Complex and young tree production of native species</td>
<td>Niigata pref.</td>
</tr>
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<td>FY2013-2015</td>
<td>Vietnam</td>
<td>Establishment of Waste Material Circulation System Based on Marine Transportation in Ha Long Bay</td>
<td>City of Sakai, Osaka</td>
</tr>
<tr>
<td>FY2013-2015</td>
<td>Myanmar</td>
<td>Capacity Development of Sewer Pipes O&amp;M and Rehabilitation Project in Yangon City</td>
<td>City of Osaka</td>
</tr>
<tr>
<td>FY2013-2015</td>
<td>Indonesia</td>
<td>Project for Enhancing Fire-Fighting Techniques against Peat-Land and Forest Fire in Balikpapan, Indonesia</td>
<td>City of Kitakyushu, Fukuoka</td>
</tr>
<tr>
<td>FY2013-2015</td>
<td>Indonesia</td>
<td>Indonesia•Promote for efficiency of waste management in Medan City—Recycling of city waste, and effective use of the waste of palm oil industry—</td>
<td>City of Kitakyushu, Fukuoka</td>
</tr>
</tbody>
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Private Partnership Project

Partnership with Private Enterprises
Proposal-based

Due to rapid increase in private funds in developing countries for the past twenty years which is now greater than the ODA funds, the role of private companies is extremely important in technical assistance for developing countries.

Various types of JICA Private Partnership Project (Proposal-based)

(1) Private Sector Investment Finance
(2) Preparatory Survey F/S (PPP Infrastructure Development)
(3) Preparatory Survey F/S (BOP Business Promotion)
(4) Support for small and medium-sized enterprises to expand their business overseas
   ① Basic survey to promote partnership with small and medium-sized enterprises
   ② Needs survey
   ③ Survey on a project creation
   ④ Dissemination and demonstration project of private proposal type
(5) Projects for the dissemination and promotion of private technology to ensure social and economic development in developing countries

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Background Context

• Approximately 3.5 million motorcycles are sold in Vietnam in a year (approximately twelve times as much as that in Japan), which indicates that roughly one third of the population of Vietnam possesses a motorcycle.
• The expansion of the motorcycle market has caused large-scale traffic jams in urban areas and the resultant air pollution issues, as well as increased emission of GHGs.

Proposition by the Company

• Proposition by a venture company in electric motorcycle business for dissemination of electric motorcycles with smaller environmental load, as an effective measure for controlling exhaust gases in the Southeast Asia.
• As the domestic motorcycle market has been rapidly shrinking, the company intends to expand its business in the Southeast Asia where both dissemination ratio and market growth ratio of motorcycles are high.

Information collection and project planning through the “Basic survey to promote partnership with small and medium-sized enterprises”

Expected Results

- Basic survey for studying feasibility of a local business project for expansion of local electric motorcycles with smaller environmental load
- Formulation of a local business project which contributes to the mitigation of air pollution as well as reduced emission of GHGs

Thank you for your attention!

◆ For more details, please visit our website: www.jica.go.jp

◆ Please contact the JICA office in your country for further inquiries.