JICA Projects on Capacity Development of Water Utilities
-Lessons Learned-

Mikio Ishiwatari
Japan International Cooperation Agency

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Contents

1. Projects in Lao PDR
2. Projects in Cambodia
3. Lessons Learned
4. Contribution to Water Operators Partnership
LAO PDR Project
-Collaboration with other projects-

- Development Study
  "Improvement of VTE water supply"
  2002-04
  Master Plan for 2020

- Individual Expert
  2001-03
  Expand

- Grant Aid
  "Improvement of VTE water supply"
  2005-09
  - Expansion of Kaolieu
  - Distribution/Transmission system
  - O&M of Kaolieu
  - Upgrading construction methodology

- The Project on Capacity Development
  03-06
  Technical Advice
  Material / Participate in training

Project Purpose
Means of service performance of the staff of UWS authorities in Lao PDR are improved

LAO PDR Project
Capacity Development of Water Supply Authorities
- Outline -

- Water Supply Authority, Vientiane Authority, Provincial Authorities
- Area: Water Treatment Plant, Leakage, Pipe, Quality, Administration

- Textbook
- Manual

- Trainers (31)
- Chief Engineer (108)
- Technicians (268)
LAO PDR Project

- Training mechanism -

- Fitting to field conditions
  - Principle: Training at 3 core site: center and two sub-centers
  - Training within Province and inviting neighboring provinces
  - Utilizing and upgrading chief engineers as trainers
  - Emphasized training target: new branch staff and utilities in Small provinces
  - Function of NPNL: making Training Policy and Coordination

- Training at training center in Thailand
  - Similarity of Language
  - Curriculum based on discussion with the Project
  - “Waterworks Training Project in Thailand” 1985-99
  - Thai Experts (3), Training in Thai (10 courses)

LAO PDR Project

- Textbook -

- Selected best example from JICA’s past project
- Edited in Lao and English
- Technical reference for training materials
- Technical reference for engineers
- Training for chief engineers
- Training at Central Training Center
- Dissemination of textbook as a standard material
- Periodical revision
- Combination with Phrasebook (English terms and Technical terms)
LAO PDR Project
-manual-

- Fit the actual work procedure
- Edited jointly by Japanese experts and Lao C/Ps
- For daily work of technicians
- Technical reference and reporting forms
- Includes many photos and figures
- Directly deliver to technicians
- Periodical revision

- Trainer (from 3 core training site)
  - Technology and presentation skill

- Technicians
  - Improvement of Operation and Maintenance Skill
  - Report quality of WASA
LAO PDR Project
-Collaboration with other development partners-

- JICA Project 03-06
  Discussion
  Providing Materials

AfD Water Supply Training Center 05-09
- Construction of Training Center
- Training in Lao

ADB Water Supply and Sanitation for Secondary Towns in Northern and Central Provinces 06-10
- Construction of New WTP
- Set up New PNP Branches

Assigned same trainers
Assign the Trained Staff

Cambodia Project
- Capacity Building for Water Supply System -

- Purpose
  1. Improvement of capacity to operate and maintain w/s facilities in PPWSA
  2. Improvement of staff training system for water supply

- Period: Three years (2003-2006)
- Experts: 3 long-term and 20 short-term for
  - Water treatment process,
  - Electrical facility maintenance,
  - Water quality control,
  - Distribution pipe maintenance,
  - Training plan

- Training in Japan: 30 trainees
- Training in NWTTI: 10 trainees
Cambodia Project
- Japanese Cooperation 1993-2006

<table>
<thead>
<tr>
<th>93</th>
<th>94</th>
<th>95</th>
<th>96</th>
<th>97</th>
<th>98</th>
<th>99</th>
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<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Plan</td>
<td>Grant Aid</td>
<td>Expert</td>
<td>Partner</td>
<td>Volunteer</td>
<td>Capacity Building</td>
<td>Master Plan phase2</td>
<td></td>
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<td>PPWSA</td>
<td>MIME</td>
<td>Siem Reap Master Plan</td>
<td>Expert</td>
<td>Siem Reap Grant</td>
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Cambodia Project
-approach-

JICA Expert
OJT
PPWSA
C/P (Senior Staff)
Training in Japan
NWTTI
PPWSA Training System
PPWSA Staff Training
Cooperation
Provincial Staff Training
Cambodia Project
-practices-

JICA Expert

MIME C/P (Officials)

Training in Japan NWTTI

Provincial Workshop

Provincial w/s staff

Cambodia Project
-practices-

JICA Technical Cooperation

MIME DPWS

2nd runner (Siem Reap WW)

Top runner (PPWSA)

3rd runner ADB Project (6 Provinces)

other development partners
Lessons Learned

I. Collaboration
   - between JICA specialists and volunteers
   - with grant aid project
   - with other partners
   - with regional center

II. Localism
   - local resources: training trainers
   - on-the-job
   - material to fit actual work

III. Commitment for long term

Contribution to Water Operators Partnership

A practice:
   - Training at regional center
   - Dispatching expert from regional center

We can share
   - our lessons learned and experiences
   - training materials: textbook, manuals, projects
Thank you