

# Terminal Evaluation

## Asia

### I. Outline of the Project

- Country: Thailand
- Project title: Advanced Telecommunication Technology Training Course
- Issue/Sector: Telecommunication Technology
- Cooperation scheme: Third Country Training Program
- Division in charge:
- Total cost: 16,761,900 Baht
- Cost per participant: 143,264 Baht
- Share of Japan' contribution: 80.0%
- Period of Cooperation (R/D): 22 January 1999  
From: JFY 1998  
To: JFY 2002
- Course Organizer: Department of Technical and Economic Cooperation, Ministry of Foreign Affairs
- Implementing Organization: King Mongkut's Institute of Technology Ladkrabang (KMITL)

### 1. Background of the Project

A group training course in the field of the telecommunications technology has started in 1978, with a joint support of The Royal Thai Government and The Government of Japan. Participants from Asian and Pacific countries had joined this program. The Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang (KMITL) was designated as the course organizer of the program by The Department of Technical and Economic Cooperation (DTEC) of The Royal Thai Government due to availability of much experience and adequate facilities in KMITL.

### 2. Project Overview

This training course provided participants with modern technology in the filed of telecommunications. It also gives knowledge of the current telecommunication systems in Thailand. The course was approximately seven consecutive weeks in English. The total of participants was 117 persons during five years, from JFY 1998 to 2002.

#### (1) Outputs of the Training Program

- 1) Output 1: The participants enable to understand the various telecommunications technologies
- 2) Output 2: The participants can acquire the knowledge of the up-to-date techniques concerning optical fiber cable, ISDN, and digital switching
- 3) Output 3: The participants enable to understand supervisory techniques concerning telecommunication in such aspect as planning, installation, maintenance, and operation
- 4) Output 4: The participants enable to conduct / coordinate the project related to this telecommunication technology

#### (2) Inputs

##### Japanese side:

13,384,940 Thai Baht (80.0%)

##### Thai side:

3,376,960 Thai Baht (20.0%)

## II. Evaluation team

Members of Evaluation Team

Mr. Atsushi. SAITO, Mr. Prasit PATANAKIJPAIBUL, Ms. Chatsopa. KLINPUN,  
Ms. Junko OKAMOTO, Ms. Mihoko OGASAWARA

Period of Evaluation

21/01/2004~ 31/03/2004 (JFY2003)

Type of Evaluation:

Terminal

## III. Results of Evaluation

### 1. Achievement of the Training Program

As the achievement of the training program, the organizer (KMITL) carried out course evaluation by participants after training. According to the results, it shows the almost all participants satisfy the course as well with answering "Good" or "Very Good". It can be concluded the programs are well organized and implemented.

### 2. Evaluation Results

#### (1) Analysis on the Achievement in terms of Outputs

Overall evaluation on the achievement in terms of outputs can be summarized that the outputs for the course on Advanced Telecommunication Technology are mostly achieved. The ex-participants obtained, updated and improved their knowledge to be applied in their works. The knowledge received is not only kept by the ex-participants but also are shared among their colleague and co-workers.

#### (2) Analysis on Relevance

The Third Country Training Program on Advanced Telecommunication Technology is very much correspondent to the needs and policies from the participating countries to further development of their telecommunication technology. This sector is considered as one of the most rapid growth in the developing countries which plays an important role for stimulation of economic activities. The training course serves for it in many developing countries. In this sense, the program provides both practical and state-of-the-art knowledge of telecommunication, in particular, basic scientific and practical knowledge of up-to-date technology, supervisory of planning, installation, maintenance, and operation of telecommunication system and project implementation.

### 3. Factors Promoting Effects of the Training Program

Five substantial factors are identified for the success of this training program. These are:

- Implementation by the agency with much experiences in quality education;
- Appropriate curriculums that meet the demand of the participants;
- Well selected participants to fulfill the required qualification from DTEC and KMITL;
- Reasonable setting of the target, i.e., "Output", in the course; and
- Good cooperation from all stakeholders starting from JICA, DTEC, KMITL and participants.

### 4. Factors Inhibiting Effects of the Training Program

Two substantial factors inhibiting effect of the training program can be identified. First, the program covers various subjects, accordingly curriculums can not arrive at the level as much as that of participant expected because of limitation of time allocation. Secondly, since the levels of development of each target country in the field of telecommunication are very much different, some of the subjects were not effectively used, i.e., there are several cases that the course programs did not meet the actual demand of the target countries.

### 5. Conclusion

The course is well organized to train participants. Most of participants highly appreciate the course, and KMITL confirms high achievements of the participants. The course is also highly appreciated by DTEC and officials in participating countries as well.

Most of participants have engaged in the tasks relevant with telecommunication, so that the course contributes to up-grade telecommunication in their countries in certain extent. However, some of the ex-participants have limited opportunity to fully utilize knowledge obtained from the course due to level of their telecommunication infrastructure.

### 6. Recommendations

Demand for the training course of the target countries is still high and the performance of KMITL is highly appreciated. In this sense, this program should be the continuously provided.

The following recommendations are for Thailand:

- Survey for common needs and current situation in participating countries
- Review of the program objectives and curriculum contents
- Provision of advanced training courses
- Evaluation and monitoring of participants after training

The following recommendation is for JICA:

Establish follow up and monitoring system on the web site

## **7. Lessons Learned**

The following items are found as key important elements for training course:

- Cooperation and capacity buildings to the organizer institution
- Provision of the training course for more specific subjects
- Technical and financial cooperation between the Thai Government Agency and JICA
- Communication among the learned can be found regarding the project management
- Balancing time in various activities for the entire program