

Terminal Evaluation

Asia

1. Outline of the Project

Country:

Republic of Indonesia

Project title:

Improvement of the 2000 Population Census

Issue/Sector:

Statistics

Cooperation scheme:

Team Dispatch of Experts

Division in charge:

Southeast Asia Division, Social Development Cooperation Department

Total cost:

50 Million Yen

Period of Cooperation

Fiscal year 1997 - 2000

Partner Country's Implementing Organization:

Central Bureau of Statistics (CBS)

Supporting Organization in Japan:

Ministry of Public Management, Home Affairs, Posts and Telecommunications (MPHPT)

Related Cooperation:

Grant Aid

1-1 Background of the Project

In Indonesia, the population census has been conducted every 10 years since 1961. The main objective was to reveal the current situation of the entire population in the country, and the population statistics were used for administrative purposes, policy making and so on. In recent years, Indonesia has been remarkably developed; especially, the economic sector has exhibited a rapid growth, and, therefore, the Government of Indonesia was driven by the necessity to implement more proper and timely policies. Considering that statistics are the basic materials in policy making, the accuracy of statistics will directly influence the effect of government policies. Accordingly, it is necessary to improve the quality of statistics in Indonesia in order to achieve the above. Also the population census provides not only population statistics but also a Master Sampling Frame for statistical sample surveys, where the accuracy of the Frame directly influences the quality of those statistics for the labor force, household income and expenditure, education, poverty, national income and so on. The Central Bureau of Statistics (CBS) has been trying to improve the quality of statistics for several years.

Under the circumstances mentioned above and recognizing the fact that steps had to be taken for improvement for the population census of the year 2000, the Government of Indonesia requested to the Government of Japan to dispatch a specialists team to improve the quality of the population census in FY2000.

1-2 Project Overview

For the improvement of the quality of statistics at CBS, training to improve the methodology of the survey and tabulation of the population census was implemented both in Japan and Indonesia.

(1) Overall Goal

Improvement of survey methodology and tabulation for the population census in the Republic of Indonesia conducted in the year 2000.

(2) Project Purpose

Quality of population census system in the Republic of Indonesia 2000 is improved.

(3) Outputs

- 1) Prototype for data capture system using OCR, Computer-Aided Coding Systems and Master Sampling Frame are established.
- 2) The framework for the tabulation of small area statistics, population census planning is prepared.
- 3) The report on the utilization of GPS is prepared.

(4) Inputs

Japanese side:

Long-term Experts 3

Short-term Experts 6

Trainees received 5

Indonesian side:

Counterpart 5

2. Evaluation Team

Members of Evaluation Team JICA Indonesia office
(Local consultant: PT.INDOKOEI INTERNATIONAL)

Period of Evaluation 19 February 2002 - 28
March 2002 **Type of Evaluation:**
Terminal Evaluation

3. Results of Evaluation

3-1 Summary of Evaluation Results

(1) Relevance

The Government of Indonesia has placed emphasis on the accuracy of statistics, which are the base of policy making and thus directly affects the effectiveness of policies, and has made efforts to improve the quality of statistics for a long time. Therefore, it is considered that the Project is consistent with the policy and needs of the Government of Indonesia.

(2) Effectiveness

The Project was planned and implemented efficiently, and based on the following accomplishments is considered to be very effective:

- 1) Judging from the result of the questionnaire survey conducted by counterparts, the executive committee of the Project responded that, with the technical cooperation this time, "survey methodology and tabulation for the 2000 Population Census in the Republic of Indonesia is very much improved". It was described that the training in OCR, coding system, master sampling frame, coverage of population census, planning and GPS was good and the accomplishment of those activities was sufficient.
- 2) Those counterparts dispatched to Japan for training could learn the techniques of scanner use and data processing and could obtain the knowledge and skill necessary for the population census.

(3) Efficiency

The machines and equipment offered from Japan were efficient and effective toward achieving the Project purpose. Japanese experts were Goal oriented, well qualified and actively transferred technology to counterparts. Judging from the above, it is considered that the skills and technology were transferred very efficiently.

(4) Impact

By introducing OCR and OMR, the staff of CBS gained knowledge and skills necessary for processing population census data and they gained sufficient knowledge to train staff in the local bureau of statistics.

(5) Sustainability

There are some concerns as listed below; however, the system of the population census is expected to be sustainable.

- 1) From the technical point of view, CBS implemented training to the staff of the local bureau of statistics mainly on GIS using guidelines and textbooks for the training so that the staff of CBS can maintain the system of the population census. The counterparts have the ability to conduct activities without being supervised by Japanese experts. However, CBS is not yet equipped with the capacity for a Population Census above a certain scale.
- 2) CBS will utilize OCR for the data processing for the 2003 Agriculture Census and implement the population census to make a map of the population census coverage.

3-2 Factors that promoted realization of effects

(1) Factors concerning Planning

The staff of CBS needed to obtain special skills and knowledge to support their daily job. The Project was consistent with their needs.

(2) Factors concerning the Implementation Process

- 1) Course curriculum for the staff of local census bureau was appropriate as it covered all the methods necessary for the population census.
- 2) Japanese experts were well experienced, performed their job in the spirit of cooperation and commitment, and played an important role for the progress of the population census in Indonesia.

3-3 Factors that impeded realization of effects

(1) Factors concerning Planning

N/A

(2) Factors concerning to the Implementation Process

There was language barrier of communication among Japanese experts and trainees.

3-4 Conclusion

The Project was satisfactory as a whole, and there was no negative impact. The activities and methods of the Project were mostly appropriate, and technology was effectively transferred from experts to the trainees. The Project Purpose was consistent with the needs of CBS and was appropriate. It is considered that the Project Purpose will be accomplished by utilizing the equipment efficiently and by training the staff of local census bureau. By solving some existing problems, the Project will be sustainable in the future.

3-5 Recommendations

- (1) The Indonesian side should give tentative English language classes to the staff who will be dispatched to Japan.
- (2) CBS should carefully select the trainees according to their job and role for efficient technology transfer.
- (3) JICA should provide training materials such as textbooks and reference materials in English.
- (4) It would be more effective and useful if the training to the staff of the local census bureau had been implemented before the Population Census Project in Indonesia was implemented.
- (5) More time should be allocated for practical training rather than lectures.
- (6) For the training in Japan it would be more appropriate if the training material is related to the participants' background, and the lecturers should be proficient in English.

3-6 Follow-up Situation

The expert (for the Improvement of the 2000 Population Census) has been dispatched to CBS since 2002.