

ATTACHED DOCUMENT

1. Introduction

1.1. Background

In Indonesia, as local development takes place, risks of loss of life and assets by flow of debris and other sediment are increasing in various regions.

In such situation, JICA implemented two cooperation projects, namely the Volcanic Sabo Technical Centre Project from 1982 to 1990 and the Sabo Technical Centre Project from 1992 to 1997. Both projects introduced Sabo technologies of Japan to Indonesia and trained a total of some 220 engineers of designing and implementing Sabo facilities.

As one of the major issues of the country is development of social infrastructure in hilly and mountainous areas, it is urgently needed to foster staff who are not only competent in civil engineering but also capable of preparing integrated regional plans for disaster management based on socio-economic characteristics of the regions, formulating project implementation schemes, and establishing and implementing disaster prevention projects with community participation.

The government of Indonesia, therefore, requested project-type technical cooperation of Japan in order to establish methodologies to plan and implement integrated disaster management measures and to foster experts for such tasks.

After several preparatory studies, the Record of Discussions (R/D) was jointly signed by the leader of the Japanese Implementation Study Team and the Director General of Water Resources of the Ministry of Settlement and Regional Infrastructure of Indonesia on March 2001 to commence the Integrated Sediment-related Disaster Management Project for Volcanic Areas. The Project period is five years from April 1, 2001 to March 31, 2006.

As a half of the period has passed, the mid-term evaluation is required to monitor the progress, make necessary revisions, recommend actions to be taken and identify the Project policy for the rest of the Project period. The evaluation results have been approved by the joint coordinating committee.

1.2. Major Activities of the Team

Date	Major Activities
November 30 (Sun)	Arrival in Jakarta of a member
December 1 (Mon)	Interviews at DGWR
2 (Tue)	Introduction of mid-term evaluation at STC Interviews with Japanese experts and Indonesian counterparts
3 (Wed)	Interviews with Indonesian counterparts and Japanese experts
4 (Thu)	Interview with ex-trainees of MPBA course Interview with Indonesian counterparts
5 (Fri)	Interview at Gadjah Mada University Preparation of draft minutes of meetings
6 (Sat)	Preparation of draft minutes of meetings
7 (Sun)	Arrival in Jakarta of leader and three members Preparation of draft minutes of meetings
8 (Mon)	Visits to JICA and Japanese Embassy Preparation of draft minutes of meetings
9 (Tue)	Meeting at STC
10 (Wed)	Interviews with Counterparts
11 (Thu)	Observation of Merapi Model Area Meeting with Yayasan Dian Desa (NGO)
12 (Fri)	Observation of Agung Model Area Meeting with Ban Village Chief
13 (Sat)	Preparation of draft minutes of meetings
14 (Sun)	Preparation of draft minutes of meetings
15 (Mon)	Meeting with counterparts
16 (Tue)	Discussions on draft minutes of meetings at DGWR
17 (Wed)	Discussions on draft minutes of meetings at DGWR
18 (Thu)	Joint Coordinating Committee Signing the minutes of meetings
19 (Fri)	Report to JICA and Japanese Embassy Leaving Jakarta

1.3. Major Interviewees by the Team

(1) Ministry of Settlement and Regional Infrastructure (MSRI)

Dr. Ir. Mochamad Basuki H, MSc.	Director General of Water Resources
Ir. Sri Nurumi	Director of Technical Guidance of DGRW
Ir. Soekistiarso, Dipl. HE	Head of Sub-directorate of Raw Water, Rivers, Dams and Lakes of Directorate of Technical Guidance (DTG) of DGWR
Ir. Sri Hartono, M. Eng.	Section Chief of Raw Water and Rivers of Sub-directorate of Raw Water, Rivers, Dams and Lakes of DTG of DGWR

(2) Gadjah Mada University

Ir. Darmanto, Dip. HE., M. Sc.	Manager of MPBA Department of Civil Engineering, Faculty of Engineering
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(3) Ban Village Council in Mr. Agung Model Area

Mr. Iketut Karta	Chief
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(4) Yayasan Dian Desa (NGO) in Yogyakarta

Mr. Anton Soedjarwo	Director
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(5) Ex-trainees of MPBA Course

Mrs. Arumdyah Lienawati	Central Java Province Government
Mr. Bambang Supriyatno	Yogyakarta Special Province Government
Mr. Tri Joko Inti Budi Santoso	Bengawan Solo Project, MSRI

(6) JICA Indonesia Office

Mr. Keiichi Kato	Resident Representative
Mr. Shiro Nakasone	Assistant Resident Representative

(7) Embassy of Japan

Mr. Takashi Fukuwatari	Second Secretary
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1.4. Joint Evaluation Team

The mid-term evaluation was carried out by the joint evaluation team consisting of both Japanese and Indonesian evaluators.

1.4.1. Japanese Evaluators

Mr. Shuji Ono	Team leader
Mr. Shozo Koga	Integrated disaster management policy
Mr. Hiroaki Tsunakawa	Sabo
Mr. Atsushi Nakayama	Cooperation planning
Mr. Shinsuke Tsuruta	Analysis for evaluation

1.4.2. Indonesian Evaluators

Dr. Ir. Mochamad Basuki H, MSc.	Director General of Water Resources of Ministry of Settlement and Regional Infrastructure (MSRI)
Ir. Adi Sarwoko, Dipl. HE	Acting Secretary of Directorate General of Water Resources (DGWR) of Ministry of Settlement and Regional Infrastructure (MSRI)
Ir. Sri Nurumi	Director of Technical Guidance (DTG) of DGRW
Ir. Soekistiarso, Dipl. HE	Head of Sub-directorate of Raw Water, Rivers, Dams and Lakes of DTG
Ir. Sri Hartono, M. Eng.	Section Chief of Raw Water and Rivers of Sub-directorate of Raw Water, Rivers, Dams and Lakes

1.5. Method of Evaluation

The original Project Design Matrix (PDM) of the Project jointly approved in March 2001 was revised by the Joint Coordinating Committee in July of the same year due to the change of one of the model areas from Mt. Semeru Area to West Sumatera Area (Annex 1). In principle, therefore, the Project progress is measured against the PDM approved in July 2003 together with the plan of operation (Annex 2), although the PDM shall be revised again based on this mid-term evaluation in order to make the Project more practical and to better manage it in the coming years.

The Project achievement is also evaluated by the following five criteria through discussions among the joint evaluation team.

- 1) Relevance: How relevant the project is to the specific national context.
- 2) Effectiveness: How effectively or ineffectively the project purpose is achieved through the activities and the outputs.
- 3) Efficiency: How efficiently or inefficiently the project's inputs generate the activities to produce the outputs.
- 4) Impact: Positive and negative effects indirectly made by the project.
- 5) Sustainability: The STC's ability to maintain and develop the project achievement after the external assistance is terminated.