Annex 19 Plan of Operations for 5 years

Integrated Sediment-Related Disaster Management Project for Volcanic Areas

P : Plan A : Achievement

Activities *** *Italicized passages are added after finishing mid-term evaluation*	Target		Schedule (fiscal year) 2001 I II III IV	2002 I II III IV	2003 I II III IV	2004 I II III IV	2005 I II III IV	Input	Remarks
I. Preparation and setting up the Project	STC、C/P、Engineers of Local Govt.	P							
		A							
II. Establish Human Resource Development System									In cooperation with Gadhjah Mada Univ.
II. 1 Establish HRD System	Engineers of MSRI, STC, UGM								Annual training schedule should be formulated
II. 1. 1 Prepare for establishing Integrated Sediment-Related Disaster Management Course		P						Training materials	
		A							
II. 1. 2 Prepare for establishing Water Induced Disaster Engineering Course		P						Training materials	
		A							
II. 1. 3 Prepare for establishing On the Job training course		P						Training materials, Transport	Making ISDM plans for each model areas
		A							
II. 1. 4 Establish managing system of training courses		P						Curriculum development	
		A							
II. 2 Train Engineers	Engineers of MSRI, STC, Local Government								Instructors are to be secured
II. 2. 1 Manage Integrated Sediment-Related Disaster Management Course		P						Instructors	
		A							
II. 2. 2 Manage Water Induced Disaster Engineering Course		P						Instructors	
		A							
II. 2. 3 Manage On the Job training course		P						Instructors	
		A							
II. 2. 4 Train C/Ps in Japan		P						C/P training program	
		A							
II. 2. 5 Formulate criteria for the qualification of Sabo engineers		P						Technical advise	
		A							
II. 2. 6 Secure lecturers for Integrated Sediment-related Disaster Management Course		P						Instructors	
		A							
III. Implement model works and technical transfer to C/Ps									
III. 1 Implement Model Works	Engineers of MSRI, STC, Local Government, Local residents								
III. 1. 1 Mt. Merapi Model Area									
III. 1. 1. 1 Preparation for model works		P						Preliminary survey	
		A							
III. 1. 1. 2 Establish precaution/evacuation system		P						Equipment and facilities	Verification and revise is not finish
		A							
III. 1. 1. 3 Formulate a strategy for integrated sediment management		P						Technical Advise	
		A							
III. 1. 1. 4 Implement hill side works		P						Material	
		A							
III. 1. 1. 5 Establish sabo facilities management system by local residents		P						Technical Advise	
		A							
III. 1. 1. 6 Educate local residents on sediment-disasters		P						Audio visual material	
		A							
III. 1. 1. 7 Evaluate model works		P						Technical Advise	
		A							

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Integrated Sediment-Related Disaster Management Project for Volcanic Areas

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Activities *** *Italicized passages are added after finishing mid-term evaluation*	Target		Schedule (fiscal year) 2001 I II III IV	2002 I II III IV	2003 I II III IV	2004 I II III IV	2005 I II III IV	Input	Remarks
Ⅲ. 1. 1. 8 Review and evaluate the process of model works		P						Monthly reports of the Project	
		A							
Ⅲ. 1. 1. 9 Formulate manuals on integrated disaster management		P						Technical Advise, Monthly reports	
		A							
Ⅲ. 1. 2 Mt. Agung Model Area									
Ⅲ. 1. 2. 1 Preparation for model works		P						Preliminary survey	
		A							
Ⅲ. 1. 2. 2 Establish precaution/evacuation system		P						Equipment and facilities	Verification and revise is not finish
		A							
Ⅲ. 1. 2. 3 Implement hill side works		P						Equipment and facilities	
		A							
Ⅲ. 1. 2. 4 Control river side erosion		P						Equipment and facilities	
		A							
Ⅲ. 1. 2. 5 Establish sabo facilities management system by local residents		P						Technical Advise	
		A							
Ⅲ. 1. 2. 6 Educate local residents of sediment-disasters		P						Audio visual material	
		A							
Ⅲ. 1. 2. 7 Evaluate model works		P						Technical Advise	
		A							
Ⅲ. 1. 2. 8 Review and evaluate the process of model works		P						Monthly reports of the Project	
		A							
Ⅲ. 1. 2. 9 Formulate manuals on integrated disaster management		P						Technical Advise, Monthly reports	
		A							
Ⅲ. 1. 3 Palu and West Sumatra Model areas									
Ⅲ. 1. 3. 1 Preparation for model works		P						Preliminary survey	
		A							
Ⅲ. 1. 3. 2 Plan precaution/evacuation system		P						Equipment and facilities	
		A							
Ⅲ. 1. 3. 3 Plan Integrated Sediment-Related Disaster Mitigation Measures		P						Technical Advise	
		A							
Ⅲ. 1. 3. 4 Educate local residents of sediment-disasters		P						Audio visual material	
		A							
Ⅲ. 1. 4 Bawakaraeng Model areas									
Ⅲ. 1. 4. 1 Conduct on the spot training at devastate areas		P						*Technical Advice*	
		A							
Ⅲ. 1. 4. 2 Preparation for model works		P						*Preliminary survey*	
		A							
Ⅲ. 1. 4. 3 Evaluate and improve activities of ISDM measures		P						*Collecting data*	
		A							
Ⅲ. 1. 4. 4 Establishing and managing working committee		P						*Management*	
		A							
Ⅲ. 1. 4. 5 Formulate manuals en integrated disaster management		P						*Technical Advice*	
		A							

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Integrated Sediment-Related Disaster Management Project for Volcanic Areas

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Activities *** *Italicized passages are added after finishing mid-term evaluation*	Target		Schedule (fiscal year) 2001 I II III IV	2002 I II III IV	2003 I II III IV	2004 I II III IV	2005 I II III IV	Input	Remarks
Ⅲ. 2 Establish methodology of Integrated Sediment-Related Disaster Management	Engineers of MSRI, STC, Local Government, Local residents, NGOs								Compile case studies/ Consider the status of the guideline
Ⅲ. 2. 1 Formulate guidelines		P						Preliminary survey	
		A							
Ⅲ. 2. 2 Summarize the outputs of the model works		P						Monthly reports	
		A							
Ⅲ. 2. 3 Conduct on the spot training at devastate areas		P						Transports	
		A							
Ⅲ. 2. 3. 2 Formulate manuals on restoration method		P						Equipment	
		A							
Ⅲ. 2. 4 Report outputs of the activities of the Project *(including Support to establish Sabo organizations.)*		P						Technical advise	Disseminate the outputs of the Project
		A						*Sabo unit ICISDM, A&A seminar*	
Ⅲ. 2. 3. 4 Holding seminars for local residents *(including Conduct education on disaster mitigation in cooperation with schools.)*		P						Audio visual material	
		A						Dissemination material	
Ⅳ. Promote information exchange on model works									
Ⅳ. 1 Hold public hearings and working committees	Engineers of MSRI, STC, Local Government, Local residents, NGOs								
Ⅳ. 1. 1 Hold working committee meetings		P						Audio visual material	Public involvement is necessary
		A						*working committee in DGWR*	
Ⅳ. 1. 2 Hold public hearings		P						Equipment	Cooperate with NGOs
		A						*Cooperate with working committee in Model area*	
Ⅳ. 2 Develop database	MSRI, STC,	P							Compile disaster information
		A							
Ⅳ. 2. 1 Develop Sabo information database		P						*Equipment*	*4 database*
		A							
Ⅳ. 2. 2 Establish management and maintenance system		P						*Technical advise*	
		A							
Ⅳ. 2. 3 Finalize Sabo information database		P						*Technical advise, Equipment*	
		A							
Ⅳ. 2. 4 Develop popular rainfall gauges etc		P							
		A							
Ⅳ. 2. 5 Make a plan on distribution of popular rainfall gauges etc.		P							
		A							
Ⅳ. 3 Improve the referential functions of STC	STC								Management system is indispensable
Ⅳ. 3. 1 Develop information network		P						Equipment	Establish management maintenance system is not finish
		A							
Ⅳ. 3. 2 Promote information exchange among related organizations		P						Equipment	
		A							
Ⅳ. 3. 3 Enhancement of reference room (YOKOTA Library) in STC		P						Equipment, Technical advise	*Establish management maintenance system (staff) is not finish*
		A							