

**Annex 2.**  
**Tentative Plan of Operation for 5 years**  
**Integrated Sediment-Related Disaster Management Project for Volcanic Areas**

Activities	Target	Schedule (fiscal year)												Input	Remarks	
		2001	2002	2003	2004	2005	I	II	III	IV	I	II	III	IV		
I . Preparation and setting up the Project	STC, C/P, Engineers of Local Govt.	P	-	-	-	-										
II . Establish Human Resource Development System	Engineers of MSRI, STC, UGM	A														
II . 1 Establish HRD System	II. 1 . 1 Prepare for establishing Integrated Sediment-Related Disaster Management Course	P	-	-	-	-										In cooperation with Gadjah Mada Univ. Annual training schedule should be formulated
	II. 1 . 2 Prepare for establishing Water Induced Disaster Engineering Course	P	-	-	-	-										
	II. 1 . 3 Prepare for establishing On the job training course	P	-	-	-	-										
	II. 1 . 4 Establish managing system of training courses	P	-	-	-	-										
II . 2 Train Engineers	Engineers of MSRI, STC, Local Government	A														Instructors are to be secured
	II. 2 . 1 Manage Integrated Sediment-Related Disaster Management Course	P	-	-	-	-										
	II. 2 . 2 Manage Water Induced Disaster Engineering Course	P	-	-	-	-										
	II. 2 . 3 Manage On the job training course	A	-	-	-	-										Instructors
	II. 2 . 4 Tran C/Ps in Japan	P	-	-	-	-										Instructors
	II. 2 . 5 Formulate criteria for the qualification of Sabo engineers	P	-	-	-	-										C/P training program
III . Implement model works and technical transfer to C/Ps	Engineers of MSRI, STC, Local Government, Local residents	A														Technical advise
III . 1 Implement Model Works	III. 1 . 1 Mt. Merapi Model Area	P	-	-	-	-										Preliminary survey
	III. 1 . 1 . 1 Preparation for model works	A	-	-	-	-										Equipment and facilities
	III. 1 . 1 . 2 Establish precaution/evacuation system	P	-	-	-	-										Technical Advise
	III. 1 . 1 . 3 Formulate a strategy for integrated sediment management	A	-	-	-	-										Material
	III. 1 . 1 . 4 Implement hill side works	A	-	-	-	-										Technical Advise
	III. 1 . 1 . 5 Establish sabo facilities management system by local residents	P	-	-	-	-										Technical Advise
	III. 1 . 1 . 6 Educate local residents on sediment-disasters	P	-	-	-	-										Audio visual material
	III. 1 . 1 . 7 Evaluate model works	A	-	-	-	-										Technical Advise
	III. 1 . 1 . 8 Review and evaluate the process of model works	P	-	-	-	-										Monthly reports of the Project
	III. 1 . 1 . 9 Formulate manuals on integrated disaster management	A	-	-	-	-										Technical Advise, Monthly reports
III . 2 Mt. Agung Model Area	III. 1 . 2 . 1 Preparation for model works	P	-	-	-	-										Preliminary survey
	III. 1 . 2 . 2 Establish precaution/evacuation system	A	-	-	-	-										Equipment and facilities

**Integrated Sediment-Related Disaster Management Project for Volcanic Areas**

P. Plan A : Achievement

Activities	Target	Schedule (fiscal year)												Input	Remarks
		2001			2002			2003			2004				
		I	II	III	I	II	III	I	II	III	I	II	III	I	II
III. 1 . 2 . 3 Implement hill side works	P				A										
III. 1 . 2 . 4 Control river side erosion	P				P										
III. 1 . 2 . 5 Establish sub-hazard management system by local residents	P				A										
III. 1 . 2 . 6 Educate local residents of sediment-disasters	P				P										
III. 1 . 2 . 7 Evaluate model works	P				A										
III. 1 . 2 . 8 Review and evaluate the process of model works	P				A										
III. 1 . 2 . 9 Formulate manuals on integrated disaster management	P				P										
III. 1 . 3 Palu and Mt.Semeru Model areas =>Palu and West Sumatra Model areas	A				A										
III. 1 . 3 . 1 Preparation for model works	P				P										
III. 1 . 3 . 2 Plan preparation/evacuation system	P				A										
III. 1 . 3 . 3 Plan Integrated Sediment-Related Disaster Mitigation Measures	P				P										
III. 1 . 3 . 4 Educate local residents of sediment-disasters	P				A										
III. 2 Establish methodology of Integrated Sediment-Related Disaster Management	Engineers of MSRI, SIC, Local Government, Local residents, NGOs	P			P										
III. 2 . 1 Formulate guidelines	A				P										
III. 2 . 2 Summarize the outputs of the model works	P				A										
III. 2 . 3 Conduct on the spot training at devastated areas	P				P										
III. 2 . 4 Report outputs of the activities of the Project	A				A										
III. 2 . 3 . 4 Holding seminars for local residents	P				A										
IV. Promote information exchange on model works					A										
IV. 1 Hold public hearings and working committees	Engineers of MSRI, SIC, Local Government, Local residents, NGOs	P			P										
IV. 1 . 1 Hold working committee meetings	A				P										
IV. 1 . 2 Hold public hearings	P				A										
IV. 2 Develop database	MSRI, SIC,	P			P										
IV. 3 Improve the referential functions of STC	SIC	A			A										
IV. 3 . 1 Develop information network	P				P										
IV. 3 . 2 Promote information exchange among related organizations	A				P										