(2) PDM 中間評価時改訂版

Revised Project Design Matrix for the Integrated Sediment-Related Disaster Management Project for Volcanic Areas (ISDM)

Project name: The Integrated Sediment-Related Disaster Management Project for Volcanic Areas　Duration: 5 Years from April 1, 2001
Project Area: Whole country, especially the four model project areas mentioned below　Target group: Residents in hazardous areas of sediment-related disasters
Date: December 18, 2003

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
Super Goal Damage by volcanic sediment-related disasters to human lives, assets and environment in volcanic areas in Indonesia is reduced			
Overall Goal Integrated sediment-related disaster mitigation measures are implemented in hazardous areas	1) No of the projects implemented according to the model established in the model area 2) Variety of disaster mitigation measures participated by trainees/counterparts 3) No./status of disaster prevention committees and voluntary evacuation drills by the villagers and opinions of residents	Report from Ministry of Public Works Report form Ministry of Public Works The results of social survey, questionnaire, site inspection	Government policy on disaster mitigation measures dose not change drastically
Project Purpose Engineers involved in disaster mitigation and local residents become able to plan and implement disaster mitigation measures to reduce the impacts of sediment-related disasters on villages in volcanic areas	1) Technical guidelines for integrated sediment-related disaster mitigation measures are established and disseminated 2) No. of the trainees assigned to the disaster management project or related section 3) Status of peoples' awareness on disaster mitigation in model areas	Report from Ministry of Public Works Report from Ministry of Public Works The results of social survey, questionnaire, site inspection	Budgets for disaster mitigation projects are allocated properly
Outputs 1. Planning and implementation methodologies of sediment-related disaster mitigation measures are established through the cooperation between engineers on disaster mitigation and local residents (Establish integrated sediment-related disaster management model)	1) Status of utilizing hazardous points maps and hazard maps 2) Status of utilizing disaster prevention and evacuation criteria 3) Comparison of existing sediment-related disaster mitigation works and integrated disaster mitigation model works in view of cost-effectiveness and cost-benefit 4) States of damage and robberies of facilities and materials of sediment-related disaster mitigation works 5) No. of protected people and No. of plans and implemented works of Sabo facilities equipped with additional functions 6) No. of meetings held with local residents related to model works	Project report, site inspection, questionnaires etc. Project report, site inspection, questionnaires etc. Project report The results of site inspection Project report Project report	Trained sediment-related disaster mitigation works engineers keep working

2 Methodology to establish local organizations and systems for promoting disaster mitigation measures are established (Establish local organizations and systems for disaster mitigation)	1) No. and targets of awareness raising activities and campaigns on disaster mitigation measures 2) No. and targets of lectures on disaster mitigation measures conducted at schools 3) No. of working committees held on disaster mitigation 4) No. of established disaster management organizations	Project report Project report Project report Project report	
3 Engineers to implement appropriate countermeasures on disaster mitigation measures are trained (Train engineers in disaster mitigation)	1) No. of training courses conducted 2) No. of participants 3) Status of activities of ex-trainees at their offices	Project report Project report Project report	
4 Training programs for engineers involved in sediment-related disaster mitigation are established (Establish training programs for engineers)	1) No. of lecturers assigned to the training courses 2) Status of training facilities 3) Status of curriculum and training materials 4) Status of public relations on training program 5) No. of steering committees held	Project report Project report Finished works Project report Project report	
5 Disaster investigation, planning and implementation methods for disaster rehabilitation measures of devastated areas are established (Establish methods of disaster rehabilitation measures of devastated areas)	1) No. of requests for disaster investigation 2) No. of disaster investigation conducted 3) No. of cases of advice and suggestions for rehabilitation of devastated areas 4) No. and status of investigation manuals	Project report Project report Project report Finished works	
6 Popular rainfall gauges etc. are developed and distribution plan is made (Develop popular rainfall gauges etc.)	1) No. of developed products 2) No. of operational guidelines	Finished works Finished works	
7 Database system for Sabo information is established (Establish database system for Sabo information)	1) No. of input data 2) No. of contents 3) No. of cooperative institutions (data collection, data provision) 4) Status of management guidelines 5) No. of collected documents in the library	Project report Project report Project report Finished works Project report	