

Mount Kelud Urgent Volcanic Disaster Mitigation Project



Debris Blocking Facilities within the Project Area

Outline of Loan Agreement

Loan Amount/ Loan Disbursed Amount	¥3,246 million / ¥3,235 million
Loan Agreement	September 1991
Terms and Conditions	Interest rate: 2.6%, Repayment period: 30 years (grace period: 10 years)
Final Disbursement Date	October 1997

Project Profile

The project was to build debris blocking facilities (debris dams etc.) to reduce secondary lahars (volcanic mud flows) which occur when debris from eruptions of Mt. Kelud is eroded by rain.

Results and Evaluation

The executing agency for the project has not retained data to gauge the effects of the project quantitatively. The results of an interview survey of beneficiaries (100 households) regarding the effects of the project found that approximately 90% of households had suffered damage such as death or serious injury of family members, and damage or destruction of houses before the completion of the project. After the project, such damage ended and residents' feeling of danger during heavy rains had almost completely disappeared. Approximately 90% of respondents said they were satisfied with the project, overall. In addition, the bridge across the river and the small hydroelectric system gained from construction of facilities made life more convenient for the residents.

The maintenance of the facilities is facing difficulties, particularly since the currency crisis of 1997 left a budget shortage, and damage and deterioration of the debris blocking facilities is advancing. While the Indonesian government should take self-help efforts to sustain all aspects of the effects of the project, future measures to rehabilitate facilities and ensure their subsequent sustainability are being supported through Special Assistance for Project Sustainability (SAPS).