

## Reconstruction and rehabilitation of the drainage system in Banda Aceh (Indonesia)



### Context

---

Banda Aceh, capital of Aceh Province in North Sumatra, was badly affected by the 26 December 2004 tsunami: 71 474 inhabitants (27% of the initial population) lost their lives in the disaster and almost three quarters of the city was destroyed.

Aceh's reconstruction began as early as 2005, in particular thanks to huge flows of grant financing (some USD 5bn) from donors and civil society worldwide. BRR, an agency under the authority of the Presidency of the Republic of Indonesia, was put in charge of coordinating and implementing all actions in the disaster-struck region. Reconstruction comprises over 1 000 projects financed by 300 donors in Aceh Province and Nias Island off the west coast of Aceh, which was hit a second time by a deadly earthquake on 28 March 2005.

This project is part of France's contribution to reconstruction efforts in Aceh Province. AFD was given a specific mandate by the French Government to operate in tsunami-hit countries via loans.

### Objectives

---

The project aims to provide reconstructed areas with basic infrastructure and upgrade the city's infrastructure in order to prepare for a sustainable upturn in its development.

The southern area of Banda Aceh will be equipped with drainage infrastructure; infrastructure destroyed by the tsunami in the northern area of the city will be rebuilt and improved.

### Project Outline

---

The project concerns areas destroyed by the tsunami (in the north of the city) and areas which were not directly affected (in the south). It comes in addition to ongoing operations in other areas which are financed by both the Multi-Donor Fund and the Japanese cooperation and aim to equip the city with a completely rehabilitated drainage network. Technical studies for the project have been conducted since the end of 2006 by a group of specialized consultants.

BRR is the executing agency of the project. The completed infrastructure will be handed over to Banda Aceh municipality by the Indonesian Government; the municipality will be in charge of system operation and maintenance.

### Impacts

---

The project mainly focuses on primary and secondary drainage infrastructure rehabilitation (approximately 150 km of channel repairs and construction, construction of pumping stations, creation of retention basins) in five of the city's hydraulic zones which cover 80% of its territory. The project will consequently resolve flooding problems in the treated areas. It also provides equipment and facilities for the operation and maintenance of the drainage system.

23 000 people affected by recurrent flooding will directly benefit from the implementation of the project.

### Planning & budget

---

AFD has allocated a 36.8 million euro highly-concessional loan to the Government to finance the rehabilitation of the urban drainage system in Banda Aceh. The loan agreement was signed with the Ministry of Finance on September 24, 2008.

Land acquisition and indemnification of the owners, which is quite a long process, has then delayed a little bit the implementation of the project. Consulting services' contract for the supervision of the project was signed in September 2009 and construction works should begin mid-2010. Construction works are expected to last 18 months.

## Contact

---

AFD Indonesia  
Country Director: Joël DALIGAULT

World Trade Center 12<sup>th</sup> Floor,  
Jalan Jenderal Sudirman Kav.31  
Jakarta 12920  
Tel: (62-21) 2550 2300  
Fax: (62-21) 2550 2323

E.mail: [afdjakarta@afd.fr](mailto:afdjakarta@afd.fr)  
Website: [www.afd-indonesie.org](http://www.afd-indonesie.org)

To find out more, please visit our website: [www.afd.fr](http://www.afd.fr)