

# Metro Manila Flood Control Project (II)



Vitas Pumping Station

## Outline of Loan Agreement

Loan Amount/ Loan Disbursed Amount	¥10,818million / ¥9,058 million
Loan Agreement	January 1988
Terms and Conditions	Interest rate: 3.0%, Repayment period: 30 years (grace period: 10 years)
Final Disbursement Date	April 1998

## Project Profile

The project was to build pumping stations and improve the river and drainage channels to reduce the damage inflicted by floods in the Vitas and San Andres areas, which are the most flood-prone districts of Manila.

## Results and Evaluation

The three new pumping stations built at Vitas, Balut and San Andres have been working steadily since their completion. Compared to the situation before the project (1995), the maximum water depth and duration of flooding have been substantially reduced, and the project's effect in reducing the extent of flooding has been confirmed. The number of households evacuated in Manila has been declining (492 households in 1996, 266 in 2000), with the exception of 1998, when a typhoon caused major damage. The process of relocating residents (squatters) took longer than anticipated, delaying the project as a whole, but the executing agency reports that the relocation was handled in accordance with Philippines law and did not involve any major problems. According to the maintenance agency, the facilities are mainly kept in good condition, but there is a maintenance problem with the garbage discarded in the canals by residents, which interferes with the operation of the pumps. A systematic approach by the national and local governments is required to tackle the problem.