

## Signing of Japanese ODA Loan Agreement with the Kingdom of Morocco

–Assistance to improve regional sewer environment and reduce greenhouse gases–

On March 26, the Japan International Cooperation Agency (JICA) signed a Japanese ODA loan agreement with the Office National de l'Electricité et de l'Eau Potable (ONEE) of Kingdom of Morocco to provide up to 10.79 billion yen for assistance for the Sewerage System Development Project (III).

This loan will provide the funding necessary to improve the sewage treatment capacity through the expansion and improvement of sewage treatment plants and pipes in nine regional cities in Morocco. The project will contribute to a more sanitary environment while securing water resources and providing for more effective use of water, and it is expected that reduced emissions of greenhouse gases through the treatment process will decrease the impact on climate change. The funds will be allocated to infrastructure expenses for sewage treatment plants and pipes, and methane gas collection equipment, as well as consulting service expenses (for detailed design, bidding assistance, construction monitoring and human resource training).

As water access rises in Morocco (100 percent in cities, 87 percent in regional cities) and the amount of sewage rises quickly throughout the country, there is a concern fear that the capacity to treat sewage will drop due to inadequate treatment and insufficient capacity of existing facilities and infrastructure, making the improvement of sewer systems an urgent issue. Under these circumstances, National Sanitation Plan (formulated in 2005) was created with the aims of improving the sanitary conditions and reusing scarce water resources with the plans to improve the sewer connection rate in cities, reduce water pollution, lay a network of 2,300 kilometers of sewers and construct 260 sewage treatment plants in Morocco.

In the regional cities that are the focus of this project, sewer connection rates are lower than in the metropolitan area, and the sanitation condition is worse. While the connection rate is 76 percent in the metropolitan area, it is 67 percent in medium-sized cities and a mere 40 percent in small cities, making sewer improvements an urgent issue for medium-sized and small cities in outlying areas. ONEE, which has jurisdiction over sewer improvements in rural areas, plans to invest in sewers in 209 small and medium-sized cities spanning from 2005 to 2015, and this project will assist in achieving those goals.

To date, JICA has provided a total of two Japanese ODA loans to Morocco in the sewer sector, the Sewerage System Development Project (2005, 4.203 billion yen) and the Sewerage System Development Project (II) (2007, 5.054 billion yen), and has supported the improvement of sewer services in small and medium-sized cities. Under this project, JICA will continue and further develop its support to the sector by contributing to improvements in the sewer treatment infrastructure in regional cities while capturing and processing greenhouse gases to fight climate change.



Signing ceremony

### Related Link

> [Location diagram \(PDF/336KB\)](#)

## Reference

### 1. Terms and Amounts of Loans

Project title	Amount (million yen)	Annual interest rate (%)		Repayment (years)	Grace period (years)	Procurement
		Project	Consulting services			
Sewerage System Development Project (III)	10,790	0.30	0.01	40	10	General untied

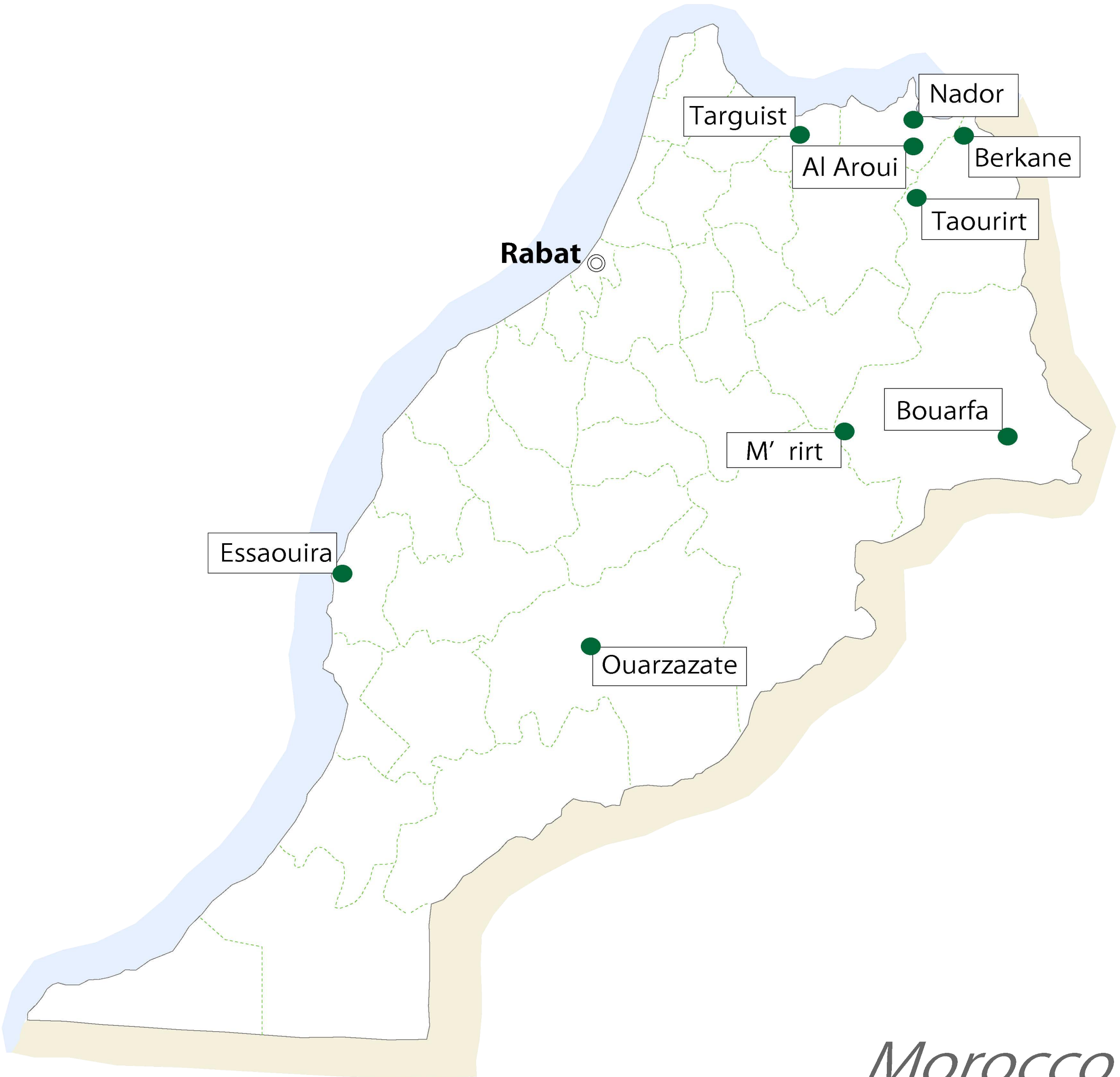
### 2. Project Summaries

#### Executing Agency

Office National de l'Electricité et de l'Eau Potable (National Office of Electricity and Potable Water)  
 Address: Station de traitement, Avenue Mohammed, Belhassan El Ouazzani, BP Rabat Chellah, Rabat, Kingdom of Morocco  
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#### Planned Implementation Schedule

- (i) Completion of project: December 2018 – when the facilities are put into service
- (ii) Issuing of letters of invitation for consulting services (including detailed design work): May 2013
- (iii) Tender announcement of initial procurement package for international competitive bidding on project construction:  
 Procurement package title: Wastewater treatment plant in Nador  
 Scheduled date: September 2014



**Rabat** ○

Targuist

Al Aroui

Nador

Berkane

Taourirt

Bouarfa

M' rirt

Essaouira

Ouarzazate

*Morocco*