

KENYA

Improving access to drinking water and anticipating climate hazards

AFD is financing the rehabilitation and extension of drinking water facilities around the City of Mombasa. This project contributes to improving living conditions and increases this coastal region's resilience to climate change.

CLIMACTION

Adaptation and Water



KEY INDICATORS

GDP PER CAPITA
USD 1,246

HDI
147/187

POPULATION
44.3M

BACKGROUND

The climate projections for Kenya are complex. Most models forecast an increase in rainfall variability from one region to another and from one year to the next, particularly in coastal regions. There are increased risks of prolonged droughts.

The Marere water supply system supplies the counties of Kwale and Mombasa. It was built in 1916 and has not been subject to any significant rehabilitation since the 1980s. The Mombasa region only receives 40,000 m^3 of water a day, for needs estimated at 150,000 m^3, and its sanitation system is severely dysfunctional.

Kenya's Coast Water Service Board has published a Master Plan for drinking water production in the region. AFD will support its implementation.

THE PROJECT

AFD has provided EUR 40m of financing to rehabilitate and extend drinking water production and supply facilities in Marere and Baricho, and increase the wastewater treatment capacity. AFD has also provided technical assistance to improve the management of production and sanitation services.

The project saves water resources and protects the Shimba Hills National Reserve, while increasing the production capacity by 10,000 m^3 a day.

It contributes to mitigating the impacts of prolonged droughts by increasing the water storage capacity and by replacing coastal boreholes, which are threatened by salinization due to the rising sea levels, with surface water resources.

The use of high-quality raw water limits recourse to chemical treatments, and the gravity-fed water transport avoids implementing polluting pumping systems.

- Financial tool: **sovereign loan**
- Amount committed: **EUR 40M**
- Beneficiary: **Republic of Kenya**
- Date granted: **2008**
- Project status: **ongoing**

IMPACT

- **Increase in water production by 10,000 m^3 a day.**
- **Reduction in the vulnerability of communities to prolonged droughts and improvement in their living and health conditions.**
- **More efficient and sustainable management of water resources.**
- **Gravity-fed supply system with no CO_2 emissions.**
- **Preservation of the Shimba Hills National Reserve.**

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