



## RWANDA

### LAND HUSBANDRY, WATER HARVESTING AND HILLSIDE IRRIGATION PROJECT LWH



<b>Client</b>	Ministry of Agriculture
<b>Financing</b>	IBRD
<b>Duration of Services</b>	04/2013 - 12/2015
<b>Cost of Implementation</b>	35 Mio. Euro
<b>Services of Value</b>	1 158 574 Euro

#### Scope of Services

- Review previously identified potential sites,
- Carry out reconnaissance surveys including topographic, geo, socio and other disciplines,
- Identification of additional sites – optionally,
- Prepare prefeasibility studies for all sites,
- Definition of selection criteria and selection of most promising sites,
- Undertake comprehensive feasibility studies including designs, cost estimates, socio-economic and financial analyses for the selected sites,
- Carry out detailed designs and prepare tender documents for the selected feasible sites.

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## Brief Project Description

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Prefeasibility study, feasibility study and detail design of multiple land husbandry, water harvesting and hillside irrigation sites for 3,000 ha irrigation in different parts of Rwanda (Lot 3)

The objective is to firstly undertake Prefeasibility study for pre-selected dam sites and their adjacent irrigation schemes. For sites confirmed worthy, subsequent feasibility studies will be carried out, Feasibility provided, the Detail Design of dams, multiple land husbandry and hillside irrigation schemes for 3,000 ha of net command area in different parts of Rwanda will be undertaken.

Preference is made on earth dams with a maximum height of 15 m and a length of 500 m. Structures will consider evacuation of sediment load also within regard of land use transformation due to climate change.

Hydrological studies will comprise all catchment areas of about 5000 ha each. Runoff models will be established in order to obtain long term discharge series for dam design and irrigation schemes.



Collection of water quality in Bakokwe



Collection of water quality in Gatimbazi

