Ministry of Water and Environment

Joint Technical Review (JTR) 2018

Undertaking No. 6

Establish data management systems for WfP facilities to enhance Utilization and Sustainability by the end of FY 2017/18

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Introduction

- Establishment of data management systems for WfP facilities is the first step towards/enhancing Utilization and Sustainability of WfP facilities.
- Data management systems ensure availability of parameters such as storage capacity, functionality status, management, amount of water being utilized for all WfP facilities for better planning.

Progress in Achieving Outputs

Planned output	Parameters	Status
Review of the Existing WfP Database	Review of the available manuals	Done
	Consultation with WfP Staff, MIS Staff and IT Management	Done
	Identification and documentation of Gaps	Done
Procurement of Database Development Consultant	Development of Terms of Reference (ToRs)	Done
	Invite Proposals	Done
	Evaluation of Bids	Done
	Award of Contract	Done
Inclusion of all new Districts in the WfP Database	Identification of new Districts	Done
	Addition of Identified Districts in WfP Database	Done
	Add a feature in the data to add future new Districts (Incase of creation of new Districts)	Ongoing

Cont'd Progress in Achieving Outputs

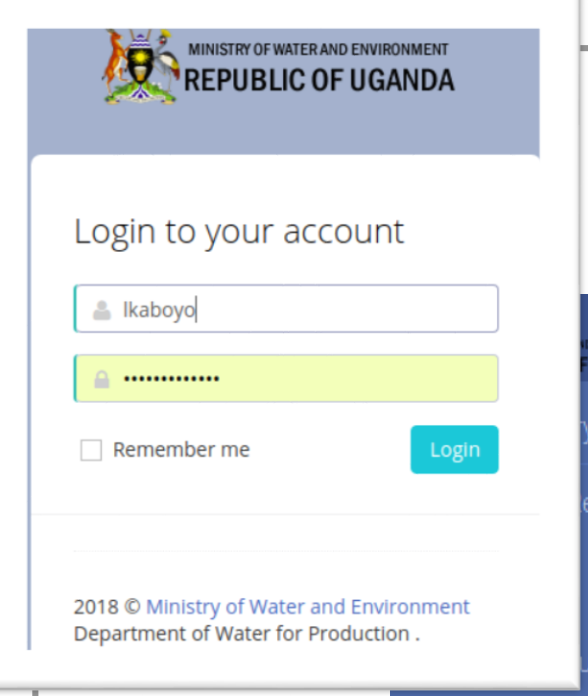
Planned output	Parameters	Status
Upgraded Data Entry Form with all the agreed new data parameters as stated by the WfP Staff	Development of a template to be discussed by Stakeholders	Done
	Consultation with Stakeholders on data collection entry form	Done
	Development of final data collection form with agreed to parameters	Done
Dynamic User management by the Database Administrators	Create different roles in the database for Users, data entrants and administrators	Done
Data extraction of all Database Outputs in form of Excel Sheets, PDF Files and Images	Programming data entry form to be online	Done
	Programme data entry mechanisms	Done
	Programme the Reports	Ongoing
	Programme a mechanism for data extraction (Data reports)	Ongoing

Cont'd Progress in Achieving Outputs

Planned output	Parameters	Status
Web maps presented as shade maps and plot maps viewable and downloadable	Upload shape files of Districts and Sub-counties from UBOS	Continuous and ongoing
	Programming the Web Interface to display the maps with data	Ongoing
Support WfP Department with data entry, database management, fixing error bugs and database access	System Documentation (User manuals, final report)	Done
	Training the User Department (WfP) Staff	Done
	Follow up Support for Three (03) months	Pending

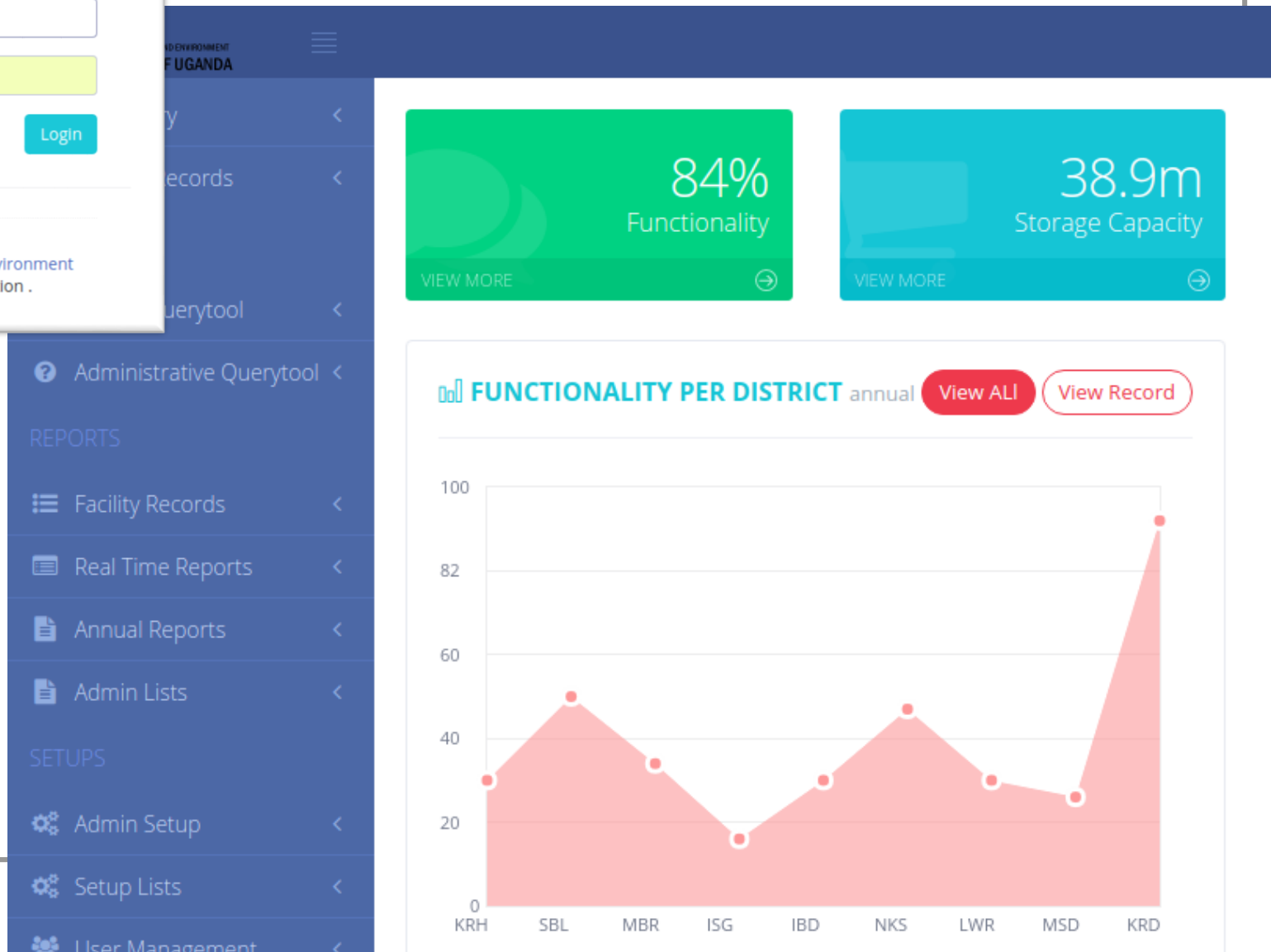
Related activities / processes

- Data collection and update done annually.
- Continuous System data update with UBOS and District Planners to update the administrative units of Districts, Sub-counties, Parishes and Villages.



Login page

Dashboard



Facility Query tool

Key Challenges

- The System can only be accessed within MWE.
- Ever splitting Administrative units (Districts, Sub-counties, Parishes and Villages).
- Rigid and Slow data collection tools (Data collection forms).

Way Forward

- Constant Update of Administrative Units with UBOS and District Planners.
- There is need to adopt modern data collection technology (mobile apps).

Small Scale Irrigation Development

Cont'd Small Scale Irrigation Development

Cont'd Small Scale Irrigation Development

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THANK YOU