



MA-Large Scale Irrigation Modernization Project (P150930)

MIDDLE EAST AND NORTH AFRICA | Morocco | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 3 | ARCHIVED on 15-Sep-2016 | ISR23719 |

Implementing Agencies: Ministry of Agriculture and Maritime Fishery

Key Dates

Key Project Dates

Bank Approval Date:08-Jul-2015

Effectiveness Date:08-Feb-2016

Planned Mid Term Review Date:03-Dec-2018

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2022

Revised Closing Date:31-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objectives (PDO) are: (i) for the Doukkala ORMVA, the Gharb ORMVA, the Haouz ORMVA and the Tadla ORMVA, to provide an improved water service to farmers, and (ii) for targeted farmers in the Project Area, to have better access to improved irrigation technologies.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components

Name

Component 1: Improving Irrigation Network Infrastructure:(Cost \$135.00 M)

Component 2: Supporting Farmers' Access to Improved Irrigation Technologies:(Cost \$6.00 M)

Component 3: Supporting the Project Implementing Entities to Manage the Irrigation Network and to Implement the Project:(Cost \$9.00 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Substantial	● Substantial



Implementation Status and Key Decisions

PROJECT RATIONALE: The project supports four public operators of large scale irrigation perimeters (ORMVAs of Tadla, Haouz, Doukkala and Gharb) in providing an improved water service to farmers. This is done through the modernization of the irrigation network infrastructure (Comp. 1), which will allow for individual access to water (rather than collective), on-demand (rather than on rotation), and equitable (in terms of flow and pressure across the irrigation network). Once the irrigation network modernized, farmers will be able to adopt improved irrigation techniques (mainly drip irrigation) for which government subsidies are provided and for which the project will provide support through technical assistance (Comp. 2). Emphasis will be put on the sustainable management of the irrigation network (Comp. 3). In the long term, the improved water service, coupled with improved irrigation technologies that can be adopted as a consequence, would allow farmers to increase yields, increase cropping intensity, and/or change cropping pattern towards higher value crops. These changes would translate into increase in agricultural water productivity, thanks to which farmers would improve their income and livelihood. Satisfied with the service provided, farmers would be more inclined to pay the water bill. The individualization of the water service would make water metering more transparent and facilitate taking targeted actions towards farmers who do not meet their water bill. The finances of the ORMVAs would improve, allowing for adequate budgeting of the O&M of irrigation networks, and thus ensuring long term sustainability. In parallel, farmers would reduce the use of groundwater in favor of the cheaper and better quality surface water provided by the ORMVAs, thus contributing to the environmental sustainability.

PROJECT STATUS: The Project Financing Agreement was signed on Oct 26, 2015 and was declared effective on Feb 8, 2016, as planned. Six months into implementation, 6 large contracts have been signed, and commitment reached 19 M USD (16% of the loan) commitment. Delay in the launching of works has been recorded particularly in Tadla and Doukkala, while activities progress as planned in Gharb.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	● Moderate	● Moderate	● Moderate
Macroeconomic	● Moderate	● Moderate	● Moderate
Sector Strategies and Policies	● Low	● Low	● Low
Technical Design of Project or Program	● Substantial	● Substantial	● Substantial
Institutional Capacity for Implementation and Sustainability	● Substantial	● Substantial	● Substantial
Fiduciary	● Moderate	● Moderate	● Moderate
Environment and Social	● Moderate	● Moderate	● Moderate
Stakeholders	● Substantial	● Substantial	● Substantial
Other	--	--	--
Overall	● Substantial	● Substantial	● Substantial

Results

Project Development Objective Indicators



► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	9274.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

Comments

The project is at an early stage of implementation for recording progress on this PDO indicator, which depends on the completion of the network works. It is expected that 1,839 beneficiaries will be reached in the end of 2018.

▲ Female beneficiaries (Percentage, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	12.00

► Area with access to water on-demand in peak period (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

Comments

The project is at an early stage of implementation for recording progress on this PDO indicator, which depends on the completion of the network works. The first two irrigation sectors out of seven targeted by the project are expected to be completed in the end of 2018.

► Area with a request for improved irrigation technologies approved (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20700.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

**Comments**

The project is at an early stage of implementation for recording progress on this PDO indicator, which is expected to progress at about the same pace of the completion of the network works. The first two irrigation sectors out of seven targeted by the project are expected to be completed in the end of 2018.

Overall Comments

The project is at an early stage of implementation for recording progress on PDO indicators.

Intermediate Results Indicators**► Progress of works on irrigation network (Percentage, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

Comments

The project is at an early stage of implementation for recording progress on this indicator. The signature of various contracts over the course of the 2016 calendar year should allow observing progress.

► Clients per metering system (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	12.97	12.97	12.97	0.78
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

Comments

The project is at an early stage of implementation for recording change in this indicator, which depends on the completion of the network works. The first two irrigation sectors out of seven targeted by the project are expected to be completed in the end of 2018.



► Outlets with flow in line with technical specifications in peak period (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	90.00
Date	01-Sep-2015	--	30-Jun-2016	31-Dec-2022

Comments

The project is at an early stage of implementation for recording progress on this indicator, which depends on the completion of the network works. The first two irrigation sectors out of seven targeted by the project are expected to be completed in the end of 2018.

► Client days of training provided (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	37000.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

▲ Client days of training provided - Female (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4460.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

► Clients that have formalized their request for improved irrigation technologies (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	70.00
Date	01-Sep-2015	--	30-Jun-2016	31-Dec-2022



Comments

The project is at an early stage of implementation for recording progress on this PDO indicator, which is expected to progress at about the same pace of the completion of the network works. The first two irrigation sectors out of seven targeted by the project are expected to be completed in the end of 2018.

► Clients using the irrigation information system (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

► Client days of training provided (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2400.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022

▲ Client days of training provided - Female (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	252.00
Date	01-Sep-2015	01-Feb-2016	30-Jun-2016	31-Dec-2022



► Clients that have signed a delivery agreement with the ORMVA (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	62.00
Date	01-Sep-2015	--	30-Jun-2016	31-Dec-2022

► Interruptions in water service in peak period exceeding 48 hours (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.75	--	2.75	1.00
Date	01-Sep-2015	--	30-Jun-2016	31-Dec-2022

Comments

No update available, thus the previous number is kept.

► Average time required for treating grievances related to water service (Days, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.25	--	16.25	10.00
Date	01-Sep-2015	--	30-Jun-2016	31-Dec-2022

Overall Comments

The project is at an early stage of implementation for recording progress on several intermediate indicators. During the first year of implementation, change is expected to be observed on the following: (i) Progress of works on irrigation network; (ii) Client days of training provided; (iii) Interruptions in water service in peak period exceeding 48 hours; and (iv) Average time required for treating grievances related to water service.

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
---------	----------------	--------	----------	----------	---------	-----------	-----------	-------------	-----------

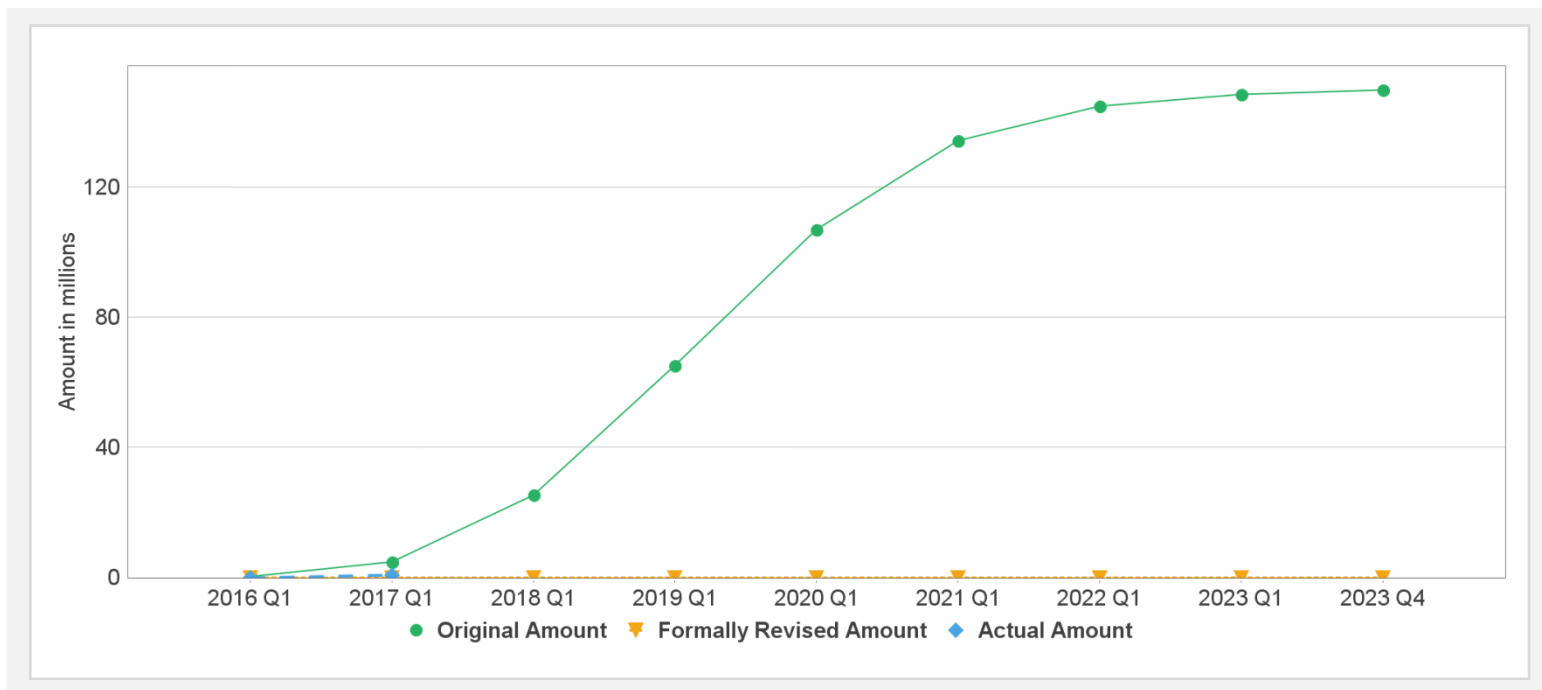


P150930	IBRD-85140	Effective	USD	150.00	150.00	0.00	1.09	148.91	<div style="width: 1%; height: 10px; background-color: green;"></div>	1%
---------	------------	-----------	-----	--------	--------	------	------	--------	---	----

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P150930	IBRD-85140	Effective	08-Jul-2015	26-Oct-2015	08-Feb-2016	31-Dec-2022	31-Dec-2022

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.