AF On-Farm Water Management (OFWM) (P120398)

SOUTH ASIA | Afghanistan | Agriculture and Food Global Practice |
Recipient Executed Activities | Investment Project Financing | FY 2011 | Seq No: 17 | ARCHIVED on 01-Aug-2019 | ISR38018 |

Implementing Agencies: MAIL, MAIL (Ministry of Agriculture, Irrigation and Livestock), MAIL, MAIL

Key Dates

**Key Project Dates**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank Approval Date</td>
<td>16-Feb-2011</td>
</tr>
<tr>
<td>Effectiveness Date</td>
<td>16-Mar-2011</td>
</tr>
<tr>
<td>Planned Mid Term Review Date</td>
<td>06-Feb-2013</td>
</tr>
<tr>
<td>Actual Mid-Term Review Date</td>
<td>06-Feb-2013</td>
</tr>
<tr>
<td>Original Closing Date</td>
<td>30-Jun-2014</td>
</tr>
<tr>
<td>Revised Closing Date</td>
<td>31-Dec-2019</td>
</tr>
</tbody>
</table>

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The PDO of the project is to improve agricultural productivity in project areas by enhancing the efficiency of water used.

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

No

Components

<table>
<thead>
<tr>
<th>Name</th>
<th>Cost (in M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Farm Water Management</td>
<td>$31.70</td>
</tr>
<tr>
<td>Institutional strengthening and capacity building of the MAIL</td>
<td>$3.70</td>
</tr>
<tr>
<td>Project management, coordination and monitoring &amp; evaluation</td>
<td>$6.00</td>
</tr>
<tr>
<td>Support for Productivity Enhancement</td>
<td>$6.30</td>
</tr>
</tbody>
</table>

Overall Ratings

<table>
<thead>
<tr>
<th>Name</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of PDO</td>
<td>Satisfactory</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>Satisfactory</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
</tbody>
</table>

Implementation Status and Key Decisions

This ISR is prepared based on the Implementation Support Mission (ISM) carried out by the Bank from July 1-7, 2019. The mission noted that the Project has continued to sustain good progress both in terms of achieving the agreed target and disbursing the grant proceeds. The disbursement rate has now reached to 91% while almost all the remaining grant proceeds have been committed. To date, over 608 km of canals have been rehabilitated against a cumulative target of 186 Km serving around 64,805 ha, and 621 Irrigation Associations (IS) have been established against the target of 500. The Project’s supported Farmer Call Center (FCC) continues to provide technical support to both male and female farmers around the country via a cadre of experts. The land laser leveling services under the Project have begun on a fee basis generating good commercial demand in the Project’s areas. While 36 land laser levelers that were distributed earlier are
now being operated to serve farmers on commercial basis, the additional 86 land laser levelers have finally been procured and are being distributed to the private operators. The team has continued to showcase high efficiency irrigation technologies at 51 demonstration sites; supported 122 subject based Farmer Field Schools (FFS) covering a total of 3,618 farmers.

Beyond its plans, the Project has provided support to MAIL in various areas including surveying and designing several irrigation canals to be financed by MAIL and other donors’ funded Projects. This support includes among others: feasibility study of Khostipa, Andkhoy andHairatan irrigation canal; 60 Gabion protection wall sub-projects; 5 irrigation schemes in Nahr-e-Shahi canal of Balkh province; and 34 pipe irrigation schemes. Considering the above-articulated achievements, both the Project Development Objective (PDO) and Implementation Progress (IP) ratings of the Project remain as “Satisfactory”.

### Risks

#### Systematic Operations Risk-rating Tool

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political and Governance</td>
<td>--</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td>Macroeconomic</td>
<td>--</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Sector Strategies and Policies</td>
<td>--</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Technical Design of Project or Program</td>
<td>--</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td>Institutional Capacity for Implementation and Sustainability</td>
<td>--</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Fiduciary</td>
<td>--</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Environment and Social</td>
<td>--</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Stakeholders</td>
<td>--</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Overall</td>
<td>--</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
</tbody>
</table>

### Results

#### PDO Indicators by Objectives / Outcomes

**Improve agricultural productivity**

<table>
<thead>
<tr>
<th>Land productivity (Number, Custom)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
</tr>
<tr>
<td>Value</td>
</tr>
</tbody>
</table>
### Water Productivity

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.63</td>
<td>0.94</td>
<td>0.94</td>
<td>0.76</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

### Number of Beneficiaries

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>387,417.00</td>
<td>382,700.00</td>
<td>180,000.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

### Area with Improved Irrigation

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>54,008.00</td>
<td>648,805.00</td>
<td>59,000.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

**Comments:** The indicator on increase in irrigated area (Percentage of the command area) was replaced with area with improved irrigation as per the explanation in the RP, but in the results framework of the RP it still appears. Correction is introduced.

### Number of Operational IAs established and Strengthened

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>614.00</td>
<td>621.00</td>
<td>500.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

## Intermediate Results Indicators by Components

### On Farm Water Management

#### Proportion of rehabilitated schemes obtaining at least satisfactory rating from irrigation water users

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>96.00</td>
<td>96.00</td>
<td>70.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

#### Conveyance efficiency %

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Decrease in conveyance duration (%) (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>68.00</td>
<td>68.00</td>
<td>60.00</td>
</tr>
</tbody>
</table>

### Decrease in time to divert water to farmer's field (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>70.00</td>
<td>70.00</td>
<td>70.00</td>
</tr>
</tbody>
</table>

### Length of watercourse rehabilitated (Kilometers, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>571.00</td>
<td>608.00</td>
<td>180.00</td>
</tr>
</tbody>
</table>

### Institutional strengthening and capacity building of the MAIL

#### Number of persons MAIL staff trained for water management and irrigated agriculture (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>15.00</td>
<td>350.00</td>
<td>350.00</td>
<td>35.00</td>
</tr>
</tbody>
</table>

### Support for Productivity Enhancement

#### Number of farmers participating in irrigation demonstrations (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>3,118.00</td>
<td>3,618.00</td>
<td>2,000.00</td>
</tr>
</tbody>
</table>

#### Number of irrigation demonstration sites (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
</table>
### Number of persons trained at WMTI (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>75.00</td>
<td>75.00</td>
<td>75.00</td>
</tr>
</tbody>
</table>

### Data on Financial Performance

#### Disbursements (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>% Disbursed</th>
</tr>
</thead>
<tbody>
<tr>
<td>P120398</td>
<td>TF-99074</td>
<td>Effective</td>
<td>USD</td>
<td>86.00</td>
<td>70.00</td>
<td>16.00</td>
<td>63.50</td>
<td>6.50</td>
<td>91%</td>
</tr>
</tbody>
</table>

#### Key Dates (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
</tr>
</thead>
</table>

#### Cumulative Disbursements
Restructuring History

Level Approved on 30-May-2013, Level 2 Approved on 08-Nov-2015

Related Project(s)

P152870-AF Additional Financing for Afghanistan On Farm Water Management Proj