Jiangxi Wuxikou Integrated Flood Management Project (P128867)

EAST ASIA AND PACIFIC | China | Water Global Practice | IBRD/IDA | Specific Investment Loan | FY 2013 | Seq No: 8 | ARCHIVED on 21-Dec-2016 | ISR26071 |

Implementing Agencies: Jiangxi Jingdezhen Municipal Water Affairs Bureau

**Key Dates**

**Key Project Dates**

- Bank Approval Date: 20-Mar-2013
- Effectiveness Date: 19-Jul-2013
- Planned Mid Term Review Date: 30-Jun-2015
- Actual Mid-Term Review Date: 28-May-2015
- Original Closing Date: 30-Jun-2019
- Revised Closing Date: 30-Jun-2019

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)
To reduce the flood risk in the central urban area of Jingdezhen City through implementation of priority structural and non-structural measures, and contribute to establishment of an integrated flood risk management system for the City.

Has the Project Development Objective been changed since Board Approval of the Project Objective? No

**Components**

1. Construction of Wuxikou Flood Control Scheme: (Cost $114.86 M)
2. Establishment of Integrated Flood Risk Management System: (Cost $9.40 M)
3. Implementation of Resettlement Action Plan: (Cost $384.61 M)
4. Project Management and Implementation Support: (Cost $2.39 M)

**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>Moderate</td>
<td>Moderate</td>
</tr>
</tbody>
</table>

12/21/2016
Implementation Status and Key Decisions

Since it was declared effective on July 19, 2013, the Project has been implemented well in general towards accomplishment of its development objectives. Good progress has been made in implementing the four components of the project based on the outputs and outcomes achieved so far as shown in the latest monitoring and evaluation report: (a) Dam Construction - good physical progress - about 82% of the investment completed - was observed under the construction of Wuxikou Main Dam as originally planned; (b) Flood Risk Management – the progress is good in general and so far about 63% of the investment completed; (c) Resettlement – good progress has been made and so far about 48% of the investment completed; and (d) Project Management Support – the project management was further strengthened with strong and direct leadership of municipal government. It was agreed that the Project Management Office (PMO) will further speed up the project progress under strict quality control.

The mid-term review plan has been completed and is under review and approval by the Municipal Government of Jingdezhen City.
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>● Low</td>
<td>● Low</td>
</tr>
<tr>
<td>Macroeconomic</td>
<td>--</td>
<td>● Low</td>
<td>● Low</td>
</tr>
<tr>
<td>Sector Strategies and Policies</td>
<td>--</td>
<td>● Low</td>
<td>● Low</td>
</tr>
<tr>
<td>Technical Design of Project or Program</td>
<td>--</td>
<td>● Moderate</td>
<td>● Moderate</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>● Moderate</td>
<td>● Moderate</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Overall</td>
<td>--</td>
<td>● Moderate</td>
<td>● Moderate</td>
</tr>
</tbody>
</table>

Results

Project Development Objective Indicators

- PO-1: Percentage of urban population protected from 1-in 50-year floods (disaggregated by gender) (Percentage, Custom)
| PO-2: The flood protection level is increased from 20-year flood to 50-year flood (Years, Custom) |
|---------------------------------------------------------|------------------|------------------|------------------|
| Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 20.00 | 30.00 | 30.00 | 50.00 |
| Date | 30-Nov-2012 | 29-Apr-2016 | 20-Dec-2016 | 30-Jun-2019 |

| PO-3: Total area subject to inundation by 1-in-50 year floods (Square kilometer(km2), Custom) |
|-------------------------------------------------|------------------|------------------|------------------|
| Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 35.58 | 35.58 | 35.58 | 3.56 |
| Date | 30-Nov-2012 | 29-Apr-2016 | 20-Dec-2016 | 30-Jun-2019 |

Comments
The dam has not been fully completed so the total area subject to inundation has not been changed.

Overall Comments

Intermediate Results Indicators

| IO-1: Progress in dam construction (Percentage, Custom) |
|--------------------------------------------------------|------------------|------------------|------------------|
| Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 70.00 | 85.00 | 100.00 |
| Date | 30-Nov-2012 | 29-Apr-2016 | 20-Dec-2016 | 30-Jun-2019 |
### IO-2: Minimum environment flow provided (Cubic Meter(m3), 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>21.03</td>
<td>21.03</td>
<td>15.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-3: Operation & Maintenance Plan for Wuxikou Flood Control Scheme gets approved by Jingdezhen municipal government (Text, 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>N/A</td>
<td>Under preparation</td>
<td>Under preparation</td>
<td>Implementation</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-4: Progress in Master Plan development and government review and approval (Text, 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>No Plan</td>
<td>under preparation</td>
<td>under preparation</td>
<td>Implementation</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-5: Progress in DSS establishment with quality control (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>20.00</td>
<td>50.00</td>
<td>100.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>
### IO-6: No. of people participating in the flood-risk management and answered the flood-risk awareness questionnaire (disaggregated by Gender) (Text, Custom)

<table>
<thead>
<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50,000/50,000</td>
<td>Survey will be done with the progress of the implementation of the participatory flood control subcomponent</td>
<td>Survey has not been done given the component have not been initiated.</td>
<td>220,000/220,000</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-7: Operation & Maintenance Plan for DSS gets approved by Jingdezhen municipal government (Text, Custom)

<table>
<thead>
<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>O&amp;M Plan will be prepared only after the System is completed</td>
<td>O&amp;M Plan will be prepared only after the System is completed</td>
<td>Implementation</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-8: No. of people relocated with proper compensation and livelihood restoration (Number, Custom)

<table>
<thead>
<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.00</td>
<td>2,000.00</td>
<td>2,300.00</td>
<td>10,104.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-9: No. of people whose land was levied and properly compensated (Number, Custom)

<table>
<thead>
<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>6,801.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>
### IO-10: Percentage of male and female displaced residents’ reporting that conditions in resettlement sites are satisfactory

<table>
<thead>
<tr>
<th>Value</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% male 0% female</td>
<td>85% for male and female, respectively</td>
<td>85% for male and female, respectively</td>
<td>85% male 85% female</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-11: No. of staff from PMO and related bureaus (including decision makers) attend trainings and study tours (both domestic and off-shore) and pass test on project management and flood risk Mgt

<table>
<thead>
<tr>
<th>Value</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>36.00</td>
<td>45.00</td>
<td>60.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### IO-12: Management Information System (MIS) is well maintained and fully utilized to generate various reports

<table>
<thead>
<tr>
<th>Value</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

### Generation Capacity of Hydropower constructed or rehabilitated under the project

<table>
<thead>
<tr>
<th>Value</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>0.00</td>
<td>0.00</td>
<td>32.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>
### Generation Capacity of Hydropower constructed under the project (Megawatt, Core Breakdown)

<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>0.00</td>
<td>0.00</td>
<td>32.00</td>
</tr>
<tr>
<td>Date</td>
<td>30-Nov-2012</td>
<td>29-Apr-2016</td>
<td>20-Dec-2016</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

Overall Comments

### 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>P128867</td>
<td>IBRD-82370</td>
<td>Effective</td>
<td>USD</td>
<td>100.00</td>
<td>100.00</td>
<td>0.00</td>
<td>59.05</td>
<td>40.95</td>
<td>59%</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

There has been no restructuring to date.

Related Project(s)

There are no related projects.