Implementation Status & Results
Rwanda
Rw: Sustainable Energy Development Project (GEF) (P097818)

Operation Name: Rw: Sustainable Energy Development Project (GEF) (P097818)
Project Stage: Implementation
Seq.No: 8
Status: ARCHIVED
Archive Date: 11-Feb-2014
Country: Rwanda
Approval FY: 2010
Product Line: Global Environment Project
Region: AFRICA
Lending Instrument: Specific Investment Loan
Implementing Agency(ies): Rwanda Energy; Water and Sanitation Authority (EWSA), Ministry of Infrastructure

Key Dates
Board Approval Date: 15-Oct-2009
Original Closing Date: 31-Jan-2014
Planned Mid Term Review Date: 09-Jul-2012
Last Archived ISR Date: 07-Jul-2013
Effectiveness Date: 09-Jun-2010
Revised Closing Date: 31-Jan-2014
Actual Mid Term Review Date: 16-Jul-2012

Global Environmental Objectives
Global Environmental Objective (from Project Appraisal Document)
The overall goal of the project is to strengthen and consolidate the Rwandan Renewable Energy market. The PDO for SEDP is: 1. Improve policy and institutional framework of the Renewable Energy and Energy efficiency sub-sectors 2. Increase Private sector Participation in the Renewable Energy Sector

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

Component(s)
Component Name | Component Cost
--- | ---
Policy, Strategy and Management | 3.50
Biomass | 1.40
Micro-Hydro | 1.20
Solar Energy | 1.55
Energy Efficiency | 0.65

Overall Ratings
| | Previous Rating | Current Rating |
--- | --- | ---
Progress towards achievement of GEO | Satisfactory | Satisfactory |
Overall Implementation Progress (IP) | Satisfactory | Satisfactory |
Overall Risk Rating | Moderate | Moderate |

Implementation Status Overview
1. The project implementation progress is overall rated Satisfactory as most of the Project Key results indicators have been achieved. The projects commitments and disbursements...
as of September 2013 are US$7.0 and US$5.24 equivalent to about 84.0% and 63.0% respectively of the total grants (of which AFREA TF has disbursed 78.7% and GEF about 50%).

**Locations**

<table>
<thead>
<tr>
<th>Country</th>
<th>First Administrative Division</th>
<th>Location</th>
<th>Planned</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rwanda</td>
<td>Southern Province</td>
<td>Kivu</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Results**

**Global Environmental Objective Indicators**

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Energy and Energy Efficiency strategy study adopted by MinInfra</td>
<td>Yes/No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Date</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro-Hydro Feed-in and Bulk-purchase tariffs agreed with RECO and approved by RURA</td>
<td>Yes/No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Date</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Achieved. Adopted February 2012</td>
<td>Achieved.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solar PV Dealers with field presence in at least one province outside Kigali offering sales and maintenance services</td>
<td>Number</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Date</td>
<td>09-Dec-2009</td>
<td>30-Sep-2013</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Achieved. The PV Solar Market assessment conducted during the project indicates that there are distribution outlets in most of the major towns outside Kigali. The actual number firms to be confirmed by a survey before the project close.</td>
<td>Achieved.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase in number of staff employed in RE firms</td>
<td>Number</td>
<td>Yes</td>
<td>No</td>
<td>110.00</td>
<td>75.00</td>
</tr>
<tr>
<td>Date</td>
<td>01-Dec-2009</td>
<td>30-Sep-2013</td>
<td>31-Jan-2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>60 trained in RE entrepreneurship and 50 involved in the installation of SWHs. End target based on the preliminary information has been superseded.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Intermediate Results Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>M&amp;E framework for all RE activities in place</td>
<td></td>
<td>Yes/No</td>
<td>Value</td>
<td>Yes</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013 End Target met. M&amp;E indicators regularly updated.</td>
</tr>
<tr>
<td>% of households using improved stoves in the Kigali area</td>
<td></td>
<td>Percentage</td>
<td>Value</td>
<td>40.00</td>
<td>70.00</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013 Based on the April 2012 survey results. Follow up survey to be conducted at end of December 2013 before project closure.</td>
</tr>
<tr>
<td>Business Plans for public micro-hydro under implementation.</td>
<td></td>
<td>Number</td>
<td>Value</td>
<td>0.00</td>
<td>16.00</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013 A detailed audit which reviewed the operational performance of 11 grid-connected small hydropower plants and two hydropower plants connected to isolated grids with recommendation for improved operations was concluded March 2013.</td>
</tr>
<tr>
<td>Installation and user guidelines for Solar PVs in public institutions approved.</td>
<td></td>
<td>Yes/No</td>
<td>Value</td>
<td>No</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013 Guidelines prepared and presented to beneficiary institutions in July 2013. Achieved.</td>
</tr>
<tr>
<td>Approved investment plan based on the national grid energy audit</td>
<td></td>
<td>Yes/No</td>
<td>Value</td>
<td>No</td>
<td>Yes</td>
<td>02-Dec-2009</td>
<td>30-Sep-2013 Grid audit completed March 2013. Investment Plan prepared and endorsed by the Energy Sector Working Group on November 19, 2013. Achieved.</td>
</tr>
</tbody>
</table>

### Data on Financial Performance (as of 14-Jan-2014)

#### Financial Agreement(s) Key Dates
Key Decisions Regarding Implementation

The project has been key in strengthening and consolidating the Renewable Energy Market in Rwanda by supporting several activities related to the Energy Policy, Strategy and Management which have enabled the sector (MININFRA and the EWSA) to take informed decisions as related to policy actions, investments promotion and private sector engagement. As a result of the project supported activities and policy actions adopted by GoR; a number of private firms are participating in the Rwanda Renewable energy market among which are: (i) development of several micro-hydro sites (4.5MW under construction, whereas additional sites totaling about 5MW are at various stages of feasibility and financial close); (ii) ten (10) firms are participating in the SolarRwanda program (installation of Solar Water heaters) and, at September 2013, had installed about 355 systems;
equivalent to about 1,200 m², translating into an annual energy saving of about 240 MWh; and (iii) several SMEs involved in renewable energy business are undergoing an incubator program.

**Restructuring History**
Level two Approved on 31-Dec-2010

**Related Projects**
There are no related projects.