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# Rwanda Integrated Water Security Program (RIWSP)

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## **WORK PLAN**

**Performance Period: October 01, 2013 – September 30, 2014**

October 2013



**Rwanda Integrated Water Security Program (RIWSP)**

**Work Plan: Performance Period October 01, 2013 – September 30, 2014**

**Agreement No. CA # AID-696-LA-11-00001**

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## *Acronyms and Abbreviations*

AGRA	Alliance for a Green Revolution in Africa
CBEHPP	Community Based Environmental Health Promotion Program
CBO	Community Based Organization
CHC	Community Hygiene Clubs
CHW	Community Health Worker
CRISTAL	Community Based Risk Screening Tool- Adaptation and Livelihoods
CSO	Community Sector Organizations
CVCA	Climate Vulnerability and Capacity Analysis
DIWRM	Department of Integrated Water Resources Management, RNRA
ECOSAN	Ecological Sanitation
EGSSAA	Environmental Guidelines for Small-Scale Activities in Africa
EDPRS	Economic Development and Poverty Reduction Strategy
EHO	Environmental Health Officer
FIU	Florida International University
FY	Fiscal Year
GoR	Government of Rwanda
HAMS	Hygiène et Assainissement en Milieu Scolaire
ICIWaRM	International Center for Integrated Water Resources Management
IEE	Initial Environmental Examination
INRWM	Integrated Natural Resource and Water Management
IWRM	Integrated Water Resources Management
KIST	Kigali Institute of Science and Technology
MCC	Millennium Challenge Corporation
MEMS	Monitoring and Evaluation Management Services (Rwanda)
MINAGRI	Ministry of Agriculture
MINALOC	Ministry of Local Government, Community Development and Social Affairs
MINECOFIN	Ministry of Finance and Economic Planning
MINELA	Ministry of Environment and Lands
MININFRA	Ministry of Infrastructure
MINIRENA	Ministry of Environment and Natural Resources
MOH	Ministry of Health
MUS	Multiple Use water Services
NGO	Non-Governmental Organization
NHS	National Hydrological Service
NOOA	National Oceanographic and Atmospheric Administration
NUR	National University of Rwanda
NWRMP	National Water Resources Master Plan
PHAST	Participatory Hygiene and Sanitation Transformation
RADA	Rwanda Agriculture Development Authority
RFA	Regional Frequency Analysis
RIWSP	Rwanda Integrated Water Security Program
RNRA	Rwanda Natural Resources Authority
RWH	Rain Water Harvesting
ToT	Training of trainers
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNESCO-IHE	UNESCO Institute for Water Education
USAID	United States Agency for International Development

USGS	Unites States Geological Survey
VIP	Ventilated Improved Pit
VLOM	Village Level Operation and Maintenance
VSLGs	Voluntary Savings and Loan Groups
VS&L	Voluntary Savings & Loans
WASH	Water Sanitation and Hygiene
WR	Water Resources
WUA	Water User Associations
WV	World Vision

## Foreword

This document contains the annual Work Plan for the period of performance October 1<sup>st</sup>, 2013 to September 30<sup>th</sup>, 2014 for the Rwanda Integrated Water Security Program (RIWSP), being executed under Award AID-696-LA-11-00001 and the Modification of Assistance 01 signed on August 28, 2013. This will be the third year of implementation of the now four-year program duration 2011-2015. The body of the Plan narrative contains two parts: I. Description of the Program and II Program Implementation. It contains three annexes as well: (i) Training plan, (ii) Performance Monitoring and Evaluation and (iii) RIWSP budget for FY 14. This volume contains the conceptual base and the description of the actions to be performed by means of the Activity Summaries formats.

Pursuant the Strategy for Continuing Application in section E.4 of the Cooperative Agreement, RIWSP Program description was revised and one of the three components of the RIWSP program was eliminated (Component 2 dealing with the strengthening of water-related resources at various levels) and activities of other components were reduced in scope and limited in Kayonza and Gatsibo districts. The original funding of \$21,900,051 also has been reduced to \$8,953,637.

This proposed Work plan for Year 3 obeys the agreed scheme of the revised Program Description contained in the Modification of Assistance and describes activities that will be performed by RIWSP in the third year of the execution of the program as part of the concluding phase of the Program. Ending and close-out dates have since been adjusted according to discussions with USAID, having now the overall close-out date of 31 May 2015. The corresponding dates for individual activities have been set accordingly.

## I. Description of the Program

The primary goal of the Rwanda Integrated Water Security Program (RIWSP) is to improve the sustainable management of water quantity and quality to positively impact human health, food security, and resiliency to climate change for vulnerable populations in targeted catchments in Rwanda.

RIWSP has been implementing thus far activities related to Multiple Use Water Services (MUS), sanitation marketing and, on-farm water use efficiency schemes, community climate change adaptation and disaster risk reduction, together with climate resilient water management. In the health sector, importance has been given to scaling up community hygiene behavior change and the integration of improved WASH into facility based care. RIWSP has provided support and guidance to the Rwandan Government in the adoption and implementation of “adaptive” Integrated Water Resources Management (IWRM) strategies. The role of decentralized governance in IWRM has been addressed at several levels as means to attain sustainable water resources management, WASH services and agricultural water use in the context of the social, economic, and environmental realities of Rwanda. In context of IWRM, RIWSP has likewise supported the Government of Rwanda in strengthening the national hydrological data and information management systems.

However, given the modification in the original scope of RIWSP activities as a result of the outcome of the continuing application issuing from the 18-months review, in the concluding phase of the program RIWSP will carry out activities related to:

- **Multiple-Use Water Services and on-farm water use efficiency and climate resilient water management:** detailing activities and an expected results for the period ending February 2015 plus 45 days for close-out.
- **Hygiene Behavior Change:** detailing activities and an expected results for the period ending February 2014 plus two months for close-out.
- **WASH integration into facility-based care:** detailing activities and an expected results for the period ending February 2014 plus two months for close-out.

The Work plan presented herein thus reflects the above described activities to be undertaken in the third year of the Program. In planning and subsequent implementation of the Program, the factors indicated below are both important and overriding, cutting across all the activities which will be undertaken during the year.

### GENDER

Since the early stages of design of this program, gender was considered as an integral part in the implementation of the program so that women and men equally benefit from the program and inequities are not perpetuated.

In the third year of the Program, RIWSP will continue to adopt approaches aiming to ensure gender equity in all activities. For instance, the empowerment of women will be ensured in the water and sanitation sector through gender equity in WASH activities, such as CBEHPP. Moreover, illustrating this approach, specific latrines design will be provided to meet gender sensitive needs. In the livelihood activities, the Program will ensure that women are well represented among the beneficiaries.

## **SUSTAINABILITY**

The planned activities also have sustainability aspects embedded in the activity implementation methods. This cuts across all the activities and is also directly related to the capacity building efforts which will take place at all levels –district, and selected sites. These include, among others:

- Setting up and reinforcing water committees to improve water resource management
- Capacity building for local officials to ensure ownership of the program activities(this includes training of local authorities)

## **MONITORING AND EVALUATION**

RIWSP will be responsible for collecting the data for all indicators in the revised M&E Plan and data will be reported to USAID on quarterly and annual basis. A data base of all RIWSP activities will be set during the second quarter of the fiscal year. This will ensure that the project activities meet both qualitative and quantitative deliverables and have their intended results on the lives of the target communities.

## **ENVIRONMENTAL COMPLIANCE**

RIWSP has an Environmental Mitigation and Monitoring Plan (EMMP) that stipulates how the program is meant to comply with the USAID environment regulations. In relation to this, a Water Quality Assurance Plan has also been developed by RIWSP.

In accordance to the Water Quality Assurance Plan, RIWSP will protect the catchment area of the Migera source that will be used to supply water in the selected communities of Kamababa watershed, in order to avoid pollution of the source. To this end, RIWSP will promote the plantation of trees around the Migera source in order to create a protective buffer zone. Moreover, a bacteriological and physico-chemical analysis of the Migera water source have been performed before starting the works to ensure the quality of water at the source. Moreover, prior to supply of water to the community, an initial disinfection of the supply system will be done. Water quality test will also be done after the completion of the works to ensure the quality of water supplied.

With regard to sanitation activities, RIWSP will promote and construct latrines recommended in the “guideline of latrine technologies usable in Rwanda” developed by the Government (MININFRA) in partnership with UNICEF, which comply with USAID’s Environmental Guidelines for Small-Scale Activities in Africa(EGSSAA).

## II. Program Implementation

This section describes planned activities for the 3<sup>rd</sup> year of implementation of RIWSP (October 2013-september 2014)

### Activity summaries

Activity 1.1.:	Multiple Use Water Services – MUS
<b>PMP Indicators:</b>	<ul style="list-style-type: none"> <li>➤ Number of people with access to multiple use water supply services (MUS) for household and productive uses.</li> <li>➤ 3.1.8.1-2 Number of people gaining access to an improved drinking water source</li> <li>➤ 4.8.1-27 Number of people receiving USG supported training in natural resources management and/or biodiversity conservation</li> <li>➤ Number of improved water infrastructures provided in institutional settings.</li> </ul>
<b>Location:</b>	Kamababa watershed: Kayonza District (Mwiri and Rwinkwavu sectors); Gatsibo District (Kiziguro and Rugarama sectors).
<b>Target Direct Beneficiaries:</b>	Communities in the Kamababa watershed: Kayonza District (Mwiri and Rwinkwavu) sectors: 10,000; Gatsibo District (Kiziguro and Rwimbogo) schools: 5,000.
<b>Expected Duration:</b>	12 months
<b>Implementing Partner:</b>	Winrock International
<b>RIWSP staff responsible</b>	Coenraad Voorhuis
<b>GOR Strategy Reference</b>	<p>MUS contributes to the GoR strategies IWRM, EDPRS2, NAPA through:</p> <ul style="list-style-type: none"> <li>➤ Improving access to potable water</li> <li>➤ Increasing access to water for productive uses such as for food production and income generation</li> <li>➤ Increasing income and food security through supporting livelihood activities using improved access to water for productive uses</li> <li>➤ Improving health due to improved hygiene through access to water for domestic uses</li> <li>➤ Promoting implementation of IWRM at the local level</li> <li>➤ Protecting, enhancing and restoring water resource sustainability by supporting watershed protection activities</li> <li>➤ Enhancing governance of <i>both</i> water service delivery and water resources</li> </ul>
<b>Area of intervention: Water, Climate change,</b>	Water, Climate change, Agriculture

<b>Agriculture:</b>	
<b>Critical Issues</b>	

### **Objectives for 2013-2014**

- Sustainably improved access to water of sufficient quality and quantity for drinking and priority productive purposes for approximately 10,000 beneficiaries, 2 active MUS demonstration schools and one health center.
- 200 of beneficiary households will participate in income generating/food security enhancing productive use activities with the goal being at least a quarter of these activities to be women-led.
- Strengthened capacity of water user groups and beneficiaries to play a role in sustainably managing water supply systems and water resources on watershed level.
- Creation of a supportive environment, increased awareness, capacity and promotion of partnerships for MUS learning, replication, and scale-up.
- Promotion of promising water supply technologies (treadle pump and Rainwater harvesting), to the extent possible ;

### **Rationale**

The RIWSP MUS component fosters sustainable and equitable improvements in health and livelihoods for poor households through improved access to water for domestic and productive uses. In an effort to amplify the impact of the program, we seek to nurture partnerships with local NGOs, civil society organizations, and the private sector in implementing the program with a view to increase local ownership and capacity to implement similar programs in the future. We are in the process of coupling demonstration MUS projects with outreach, capacity building and training to facilitate uptake, replication and scale-up.

### **Methodology**

We will construct the Migera water system serving Rwinkwavu and Mwiri sectors in Kayonza District and situated in a watershed of the Akagera Sub basin. Four sub-systems form the Migera Scheme—Migera 1, 2, 3 and Rwazana. The anticipated beginning of construction is October 2013. At the end of the project, the Migera system will provide domestic use water for a total of 30,000 beneficiaries, as well as water for 5 schools, 2 health facilities and a major Hospital in Kayonza district, located in Rwinkwavu Sector (Rwinkwavu Hospital). To implement the MUS approach, we promote rainwater harvesting or treadle pumps for households or cooperatives to provide water for productive uses that will complement the water for domestic uses provided through the Migera scheme. Rainwater harvesting will provide families with water for their gardens and livestock, meeting their water needs and improving their income and food security. Our target is rainwater harvesting for 150 families, who are engaged in gardening or livestock activities at the homestead and 150 families using treadle pumps mainly through cooperatives. We

will install the rainwater harvesting systems for four schools, thus permitting water for MUS activities at school who serve also as demonstration. Start of the works is planned for October 2013. Thirty six water committees (36) – one for each village- have been elected and will be trained on system sustainability, MUS principles and basic watershed and water resources management.

#### **Specific Tasks and Timeline:**

- Construction of Migera 1,2and Rwazana systems Start: October 2013, completed giving water to 10,000 people: 9/30/2014
- Construction of Migera 3 system. Start: October 2013.
- RWH installed in four schools: 12/31/2013
- 36 Water Committees trained on basic principles in water resources and natural resources management - 09/30/2014
- Two schools in Riwinkwavu with RWH installed through RIWSP have working kitchen gardens and (fruit) trees planted 6/30/2014
- System managers and some members of water user committees are trained on WQAP 5/30/2014
- MUS (water, environment, health, and gardening) as activity promoted at two schools. 08/30/2014
- Community members exposed to RWH and gardening through showcasing at targeted schools and tree nurseries 08/30/2014.

#### **Project Staff Responsibilities**

- Coordination and supervision of construction of Migera water system.
- Supervision of RWH installation at 4 schools
- Training of water committees
- Installation of kitchen gardens at schools
- Construction of kitchen gardens with population
- Training of cooperatives on tree and vegetable nursery

#### **STTA Needs**

#### **Benchmarks and Timeline**

- Start construction Migera 1,2 Water system – 31 October 2013
- Migera 1,2 water system provisional handover – 31 July 2014
- Start construction Migera 3 water system- 31 October 2013
- RWH installed at four schools 30 December 2013

<b>Activity 1.3.:</b>	<b>Scaling up community Hygiene behavior change</b>
<b>PMP Indicators:</b>	<ul style="list-style-type: none"> <li>➤ Number of people receiving USG-supported training in water, sanitation, and hygiene (WASH)</li> <li>➤ 3.1.8.2-2 Number of people gaining access to an improved sanitation facility.</li> <li>➤ Number of people receiving USG-supported training in nutrition and child health</li> </ul>
<b>Location:</b>	Gatsibo District (Rwimbogo, Rugarama, Kiziguro, Kabarore, Gitoke sectors) and Kayonza District (Mwiri and Rwinkwavu Sectors).
<b>Target Direct Beneficiaries:</b>	Ministry of Health, Communities from Gatsibo District (Rwimbogo, Rugarama, Kiziguro, Kabarore, Gitoke sectors) and Kayonza District (Mwiri and Rwinkwavu Sectors).
<b>Expected Duration:</b>	6 months
<b>Implementing Partner:</b>	World Vision International
<b>RIWSP staff responsible</b>	Pascal GATETE
<b>GOR Strategy Reference</b>	<ul style="list-style-type: none"> <li>➤ Environmental Health policy <ul style="list-style-type: none"> <li>❖ Capacity Building</li> <li>❖ Hygiene promotion</li> <li>❖ Control of disease vectors and vermin</li> <li>❖ Access to improved sanitation</li> <li>❖ Food safety</li> <li>❖ Water safety</li> <li>❖ National policy and Strategy for water supply and sanitation services (Hygiene promotion, access to improved sanitation and water safety)</li> </ul> </li> <li>➤ Health Sector Strategic Plan III <ul style="list-style-type: none"> <li>❖ Hygiene promotion</li> <li>❖ Access to improved sanitation</li> <li>❖ Water safety</li> </ul> </li> <li>➤ Roadmap of CBEHPP <ul style="list-style-type: none"> <li>❖ Capacity Building</li> <li>❖ Establishment of Community Hygiene Clubs (CHCs)</li> <li>❖ Hygiene promotion</li> <li>❖ Access to improved sanitation</li> <li>❖ Food security and safety</li> <li>❖ Water safety</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>➤ 7 years Government plan (Hygiene promotion, access to improved sanitation and water safety)</li> <li>➤ Vision 2020 (page 17&amp;18) <ul style="list-style-type: none"> <li>❖ Waste management and household hygiene.</li> </ul> </li> </ul>
<b>Area of intervention: Water, Climate change, Agriculture:</b>	WASH
<b>Critical Issues</b>	
<p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>➤ Supporting the Government in the implementation of Community Based Environmental Health Promotion Program (CBEHPP) at National level and target areas of RIWSP</li> <li>➤ Sustaining 299 existing CHCs and newly 16 established community hygiene clubs by local leaders and lead them to autonomous management.</li> <li>➤ Sustaining the acquired good hygienic practices and behavior change within the target Community</li> <li>➤ Facilitating access to improved sanitation at Kayonza and Gatsibo District</li> <li>➤ Continue to support nutrition messaging activities and linking them with the kitchen garden promoted through (CHC)</li> </ul> <p><b>Rationale</b></p> <p>Activities conducted previous years in scaling up Community Hygiene Behavior change will be reinforced and sustained in Gatsibo and Kayonza District by monitoring the established Community Hygiene Clubs.</p> <p><b>Methodology</b></p> <p>RIWSP is planning to train 212 CHCs executive committee members from Kayonza District and 30 new officers in charge of social affairs at cell level from Gatsibo District. Nutrition will be part in the planned trainings using CBEHPP tools. In addition, nutrition will be focused during the dialogue sessions within CHC. RIWSP will ensure that trainings produce people with facilitation skills by coaching, feedback and mentoring the communities in their respective village.</p> <p>The reporting system between the village and the district will be strengthened to ensure the continuity of the project activities and community ownership. The Program has produced tools approved by the Ministry of Health which are used by the officers in charge of Social affairs at village level for data collection from Hygiene Clubs. What's more, the program will print 30 additional tools necessary to fill the gaps in the target areas and also purchase additional 329 bags to protect and keep safe the reporting and CBEHPP tools kept by the In charge of Social affairs at village level and CHCs executive committee.</p> <p>RIWSP will further facilitate implementation of CBEHPP through behavior change messages through the electronic media such as radio, traditional songs, dances and poems. An audio spot approved by</p>	

USAID and the Ministry of Health on CBEHPP will be aired through the National Radio and 5 community radios to support the line Ministry in the implementation of CBEHPP.

Model villages and communities sharing lessons learned through study visits will also be supported. Two study visits are planned to benefit people from the target area of Kayonza and Gatsibo District to learn best practices from communities of Gatsibo District especially at Rugarama and Gitoki sector. Inclusion of cross-cutting themes in the behavior change communication will be included as appropriate and will include the environment, climate change, and gender issues.

The program contribution to CBEHPP implementation will be done in collaboration with concerned District officials, local leaders, health facilities and the Ministry of Health/Environmental Health Desk

### **Specific Tasks and Timeline**

- Training of 212 CHCs executive committee members in Kayonza District (December 2013)
- Training new officers in charge of social affairs at cell level of Gatsibo District (December 2013)
- 2 Study visits at Gatsibo District (Gitoki and Rugarama sector) to learn best practices in Hygiene and Sanitation (January, 2014)
- Airing radio spot on hygiene Clubs on national and 5 community radios (November 2013)
- Open days for displaying project interventions (February 2014)

### **Project Staff Responsibilities**

- Organize and facilitate CBEHPP trainings at different levels (CHC members committee and in charge of social affairs )
- Organize monthly meetings with CHCs facilitators (officer in charge of social affairs at village level), local leaders and environmental health officers
- Participate in the preparation and organization of hand washing campaign at the national level
- Air spot radio to 5 community and national radios on Hygiene and sanitation
- Monitoring of activities, Data collection, verification and Reporting.

### **STTA Needs**

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<b>Activity 1.4.:</b>	<b>WASH integration into Facility Based Care</b>
<b>PMP Indicators:</b>	<ul style="list-style-type: none"> <li>➤ Number of people receiving USG-supported training in water, sanitation, and hygiene;</li> <li>➤ 3.1.8.2-3 Number of improved toilets provided in institutional settings</li> <li>➤ Number of improved water infrastructures provided in institutional settings</li> </ul>
<b>Location:</b>	Gatsibo and Kayonza District: Kamababa watershed
<b>Target Direct Beneficiaries:</b>	MoH, Health facilities in Kamababa watersheds
<b>Expected Duration:</b>	6 months
<b>Implementing Partner:</b>	World Vision International
<b>RIWSP staff responsible</b>	Pascal GATETE
<b>GOR Strategy Reference</b>	<ul style="list-style-type: none"> <li>➤ Environmental Health policy <ul style="list-style-type: none"> <li>❖ Hygiene promotion</li> <li>❖ Access to improved sanitation</li> <li>❖ Access to Water supply</li> </ul> </li> <li>➤ National policy and Strategy for water supply and sanitation services <ul style="list-style-type: none"> <li>❖ Access to Water supply</li> <li>❖ Hygiene promotion and Access to improved sanitation</li> </ul> </li> <li>➤ Health Sector Strategic Plan III <ul style="list-style-type: none"> <li>❖ Access to Water supply</li> <li>❖ Hygiene promotion</li> <li>❖ Access to improved sanitation</li> </ul> </li> <li>➤ 7 years Government plan (Hygiene promotion, access to improved sanitation) <ul style="list-style-type: none"> <li>❖ Access to Water supply</li> <li>❖ Hygiene promotion</li> <li>❖ Access to improved sanitation</li> <li>❖ WRM Policy: Rain water Harvesting</li> </ul> </li> </ul>
<b>Area of intervention: Water, Climate change, Agriculture:</b>	WASH
<b>Critical Issues</b>	
<b>Objectives</b>	

To improve WASH Systems in selected health facilities

### **Rationale**

In the last year, we conducted WASH assessment and identified health facilities to support in Water, Hygiene and sanitation. This year, we will support improving WASH systems in Kiziguro hospital and Kiziguro health center at Gatsibo District and Gahini, Kageyo, Ryamanyoni, Cyarubare, Kabarondo and Buhabwa health facilities at Kayonza Districts.

### **Methodology**

RIWSP will support the Ministry of Health in their WASH intervention by organizing a workshop to review the drinking water surveillance strategic plan, environmental health strategic plan and Healthcare Waste Management Strategic Plan. This will be done prior to their approval by senior management meeting of the Ministry of Health. RISWP will facilitate improvements in access to rain water harvesting system for 6 selected health facilities (Kiziguro hospital, Kiziguro health center, and Ryamanyoni, Cyarubare, Kabarondo and Buhabwa Health facilities) and access to sanitation for 4 health facilities (Kiziguro, Gahini, Cyarubare and Kageyo) . Improvements in access to water will include installation of rain water harvesting systems and rehabilitation of water tank. Sanitation improvements may include improved pit latrines at health facilities, as appropriate.

### **Specific Tasks and Timeline**

- Prepare workshop to review the drinking water surveillance strategic plan , environmental health strategic plan , Healthcare Waste Management Strategic Plan; (November2013-January, 2014)
- Completion of water supply through rain water harvesting at Kiziguro Hospital, Kiziguro health center, Ryamanyoni, Cyarubare and Buhabwa Health facilities and rehabilitation of the existing water tank at Kabarondo health center (October2013- February 2014);
- Construction of improved latrines at Kiziguro and Gahini Hospital, Cyarubare, and Kageyo health center; (October2013-February, 2014)
- Training of 100 health workers and waste handlers on waste management and Hospital Hygiene (November-December, 2013)
- Tender for purchasing 242 color coded dustbins, 100 tippy taps (October2013-January, 2014)
- Tender for branding infrastructures already constructed by RIWSP (December 2013– February 2014)

### **Project Staff Responsibilities**

- Coordinate and oversee the construction of latrines and installation of water systems (rainwater harvesting systems; rehabilitation of the existing system)
- Provide training to health workers on waste management and hospital hygiene
- Support the MoH in organizing the workshop to review the drinking water surveillance strategic plan, environmental health strategic plan and Healthcare Waste Management Strategic Plan

- Data collection, Reporting and monitoring of activities.

**STTA Needs**

- Local contractor for water supply systems (rain water harvesting, rehabilitation of the existing system) and construction of improved latrines
- Local contractor for supplying color coded dustbins and hand washing facilities (tippy taps)
- Local contractors for branding infrastructures constructed

<b>Activity 3.1.</b>	<b>On-farm Water Use Efficiency and Climate Resilient Water Management - Showcasing Innovation technologies for small-scale irrigation</b>
<b>PMP Indicators:</b>	<ul style="list-style-type: none"> <li>➤ 4.5.2-7 Number of individuals who have received USG supported short term agricultural sector productivity or food security training.</li> <li>➤ 4.5.2-5 Number of farmers and others who have applied improved technologies or management practices as a result of USG assistance</li> <li>➤ 4.5.2-2 Number of hectares under improved technologies or management practices as a result of USG assistance.</li> <li>➤ 4.8.2-26 Number of stakeholders with increased capacity to adapt to the impacts of climate change as a result of USG</li> </ul>
<b>Location:</b>	Kamababa watershed : Kayonza District (Mwiri and Rwinkwavu sectors)
<b>Target Direct Beneficiaries:</b>	Communities in the target watersheds: Kayonza district (Mwiri and Rwinkwavu sectors)
<b>Expected Duration:</b>	12 months
<b>Implementing Partner:</b>	Winrock International
<b>RIWSP staff responsible</b>	Coenraad Voorhuis;
<b>GOR Strategy Reference</b>	<p>This activity contributes to the GoR strategies IWRM, EDPRS2, NAPA through:</p> <ul style="list-style-type: none"> <li>➤ Protecting, enhancing and restoring water resource sustainability by supporting watershed protection activities</li> <li>➤ Increasing income and food security through supporting livelihood activities using improved access to water</li> <li>➤ Improve adaptation capacity of farmers and adapt to climate change through promotion of appropriate cultural techniques.</li> </ul>
<b>Area of intervention: Water, Climate change, Agriculture:</b>	Water, Climate change, Agriculture
<b>Critical Issues</b>	
<b>Objectives</b>	
<ul style="list-style-type: none"> <li>➤ At least 100 farmers will have the knowledge, skills, and capacity to adopt more efficient and climate resilient management practices</li> <li>➤ At least 5 hectares under improved water management and climate resilient practices</li> </ul>	

**Rationale**

This component is closely linked to component 1.1 (Multiple Use Services) but provides the opportunity to promote the water use efficiency and climate resiliency of a range of water service delivery approaches and technologies.

**Methodology**

Promote selected practices, systems and/or technologies through demonstration, training and outreach, working closely with farmer organizations, schools, private sector, water user associations, local government and other partners/stakeholders. In particular, livelihoods under MUS (Activity 1.1) will be directly linked with On-farm Water Use Efficiency and Climate Resilient Water Management. Livelihood activities are designed and implemented in a manner that prioritizes on-farm water use efficiency and climate resilient water management and integrates the recommendations of the CVCA (climate vulnerability and capacity assessment) done in first year of the Program.

**Specific Tasks and Timeline:**

Promote selected practices or technologies, as listed below, through demonstration, training and outreach, partnerships, working closely with farmer organizations, schools, private sector, water user associations, local government and other partners/stakeholders.

- Treadle pump provided to 4 groups for small irrigation. 12/31/2013
- Trough is constructed at Kageyo dam for better dam management. 09/30/2014
- Promotion of mulching for both kitchen and market gardens. 09/30/2014

**Project Staff Responsibilities:**

- Establishing tree nurseries for agro forestry , tree planting and fruit trees planting
- Supporting agro forestry practices on hill slopes
- Introducing climate resilient technologies and practices such as mulching, conservation farming.

**STTA Needs**

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**Benchmarks and Timeline:**

- At least 100 farmers will have the knowledge, skills, and capacity to adopt more efficient and climate resilient management practices 9/30/2014
- At least 5 hectares under improved water management and climate resilient practices 9/30/2014

<b>Activity:</b>	<b>Project management</b>
<b>PMP Indicators:</b>	N/A
<b>Location:</b>	National
<b>Target Direct Beneficiaries:</b>	N/A
<b>Expected Duration:</b>	12 months
<b>Implementing Partner:</b>	Florida International University
<b>RIWSP staff responsible</b>	Egide Nkuranga
<b>GOR Strategy Reference</b>	N/A
<b>Area of intervention: Water, Climate change, Agriculture:</b>	N/A
<b>Critical Issues</b>	
<p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• Establishment /Improvement of an effective monitoring and evaluation system</li> <li>• Smooth close out of the components of the program not continuing</li> <li>• Smooth close out of World Vision activities</li> <li>• Reporting on the program activities</li> </ul> <p>After discussion between FIU and USAID on the continuing application, different recommendations have come out guiding the final phase of the RIWSP program. It is in this regards that the new program description document will lead to the revision of RIWSP's M&amp;E Plan in consultation with USAID and with the assistance of MEMS. This is a key activity as it will update the indicators and targets to be used in measuring the performance of the program.</p> <p>Monitoring and coordination of activities will be done continuously and quarterly/annual reports will be produced based on updated indicators and targets newly sets.</p> <p>As some activities of the program will close in middle of the fiscal year, the program will ensure the smooth close out to make sure that some recommendations should be useful for further projects. RIWSP will continue to work closely with RNRA, especially with the IWRM department as member of the technical working group (TWP) and as stakeholder of ENR – JSR.</p>	

## Annex 1. Training plan

### RIWSP PLANNED TRAINING FOR 2013-2014

S/N	Training Name	Summary of the objective	In country or/outside	Trainer	Number of people to be trained
1	Training of water committees on basic IWRM (quantity, Quality, and water allocation)	To strengthen under-standing of water committees on water resource / watershed / water infrastructure protection	In country	RIWSP staff	150
2	Training in water quality control (for domestic water) - WQAP	To ensure water quality maintenance according to WQAP	In country	RIWSP	6 (2 local authorities, 2 members of the water board, 2 managers of water system)
3	Training on improved agricultural technologies / practices and climate change resiliency practices	Strengthen capacity of RIWSP beneficiaries in increasing food security and climate change resiliency through on the job training	In country	RIWSP Staff	200 farmers
4	Training on livestock fodder and horticulture	To increase community skills and knowledge for producing livestock fodders and different horticulture species	In country	RIWSP Staff	100 farmers
5	Training of Trainers in seedlings production and gardening establishment	Improve beneficiaries knowledge and technical skills in seedlings production and gardening establishment To support trainings (3) and (4)	In country	RIWSP staff	40 farmers
6	Training of cooperatives on financial management	To equip cooperative/ groups or associations with basic knowledge, skills and tools for efficient management.	In country	External facilitator+ RIWSP staff	4 cooperatives

7	Training on legal registration ( steps and process, ROI “Reglement d’Ordre Interne” and status)	To accompany our cooperative towards legal registration	In country	External facilitator+ RIWSP staff	3 groups
8	Training on selection of market oriented crops and basic marketing concepts	To link beneficiaries to the sustainable and more profitable markets	In country	External facilitator And RIWSP staff	100 farmers
9	Training of community Hygiene Club Executive committee members on Community Based Environmental Health Promotion Program (CBEHPP) and Community Hygiene Club approach	3 people (president, secretary and treasurer) elected by members of each club In Kayonza target area (Mwiri and Rwinkwavu sectors) will be trained on Community Hygiene Club approach by using PHAST methodology to lead the CHC weekly dialogue sessions jointly with the facilitation of the in charge of social affairs. This will help the community to own their activities and sustain their achievements.	In country	In charge of Social affairs at village level supervised by TOTs and World Vision staff	212
10	Training of new officers in charge of Social affairs at cell level /Gatsibo District	New in charge of Social affairs at cell level will be trained on CHC approach to easily monitor and support the implementation of CBEHPP and emphasize the Component of ownership for local leaders.	In country	Environmental Health officers, in charge of social affairs at sector level, in charge of health at District level and World	30

				Vision Staff	
11	Training of health workers and waste handlers on hospital hygiene and waste management	100 health workers and waste handlers will be trained on hospital hygiene and health care waste management	In country	World Vision staff	100
12	Training of new community hygiene club members in water, hygiene, sanitation, food safety and security and diseases prevention.	This training will be given by the In charge of social affairs at village level to the community Hygiene club members/village using updated PHAST tool kits for the training.	In country	In Charge of social affairs, Executive committee members under supervision of the Environmental health officers and world vision staff	850

## Annex 2. Performance monitoring and evaluation

PERFORMANCE INDICATOR Year 3: 2013-14	
Indicator	Target
Number of people with access to multiple use water supply services for household and productive uses	1,000
4.8.1-27 Number of people receiving USG supported training in natural resources management and/or biodiversity conservation	150
3.1.8.2-2 Number of people gaining access to an improved sanitation facility	230
Number of people receiving USG-supported training in water, sanitation, and hygiene (WASH)	850
3.1.8.1-2 Number of people gaining access to an improved drinking water source.	10,000
3.1.8.2-3 Number of improved toilets in institutional settings	45
Number of improved water infrastructures provided in institutional settings	11
4.8.2-26 Number of stakeholders with increased capacity to adapt to the impacts of climate change as a result of USG.	4 cooperatives (100 persons)
4.5.2-7 Number of individuals who have received USG supported short term agricultural sector productivity or food security training	100
4.5.2-5 Number of farmers and others who have applied improved technologies or management practices as result of USG assistance	100
4.5.2-2 Number of hectares under improved technologies or management practices as result of USG assistance	5
Number of kitchen garden established	59
Number of people receiving USG-supported training in nutrition and child health	850

### Annex 3. RIWSP budget for Fiscal Year 2014

Budget Categories	FY 3 Estimated Budget
FIU Staff Salaries	\$ 71,722.00
FIU Staff Fringe Benefits	\$ 21,323.00
Professional Fees/Consultants	\$ 179,631.00
Travel	\$ 20,260.00
Equipment	\$ -----
Other Direct Cost	\$ 147,996.00
Sub-Agreement: CARE	\$ -----
Winrock International	\$ 2,016,000.00
World Vision	\$ 502,924.00
ICIWaRM	\$ -----
UNESCO-IHE <sup>1</sup>	\$ 22,684.00
Total Direct Costs	\$ 2,797,761.00
Total Indirect Costs	\$ 105,179.00
TOTAL (USAID)	\$ 2,902,940.00
Cost Share	\$ 343,517.00
<b>TOTAL</b>	<b>\$ 3,246,457.00</b>

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<sup>1</sup> UNESCO-IHE is formally exiting the program with ending date of October 2013