

Gold Standard for the Global Goals
Verification Appraisal Report



March 2018 - version 1.1

KEY PROJECT INFORMATION

Title of the project	GS1247 Improved Kitchen Regimes: Gatsibo District Borehole Project
Gold Standard project id	GS3306, GS3430-3, GS4202-3, GS6786-90
Host Country	Republic of Rwanda
Date of Design Certification	GS3306: 28/7/15 GS3430-3433, 4202-3: 22/12/15 GS6786-90: 12/10/18 (date of design change)
Start date of crediting period	GS3306: 6/11/14 GS3430: 5/11/14 GS3431: 2/6/15 GS3432: 3/6/16 GS3433: 15/6/16 GS4202: 20/8/15 GS4203: 19/8/15 GS6786: 5/2/17 GS6787: 5/2/17 GS6788: 5/2/17 GS6789: 5/2/17 GS6790: 5/2/17
Duration of this monitoring period (dd/mm/yyyy) to (dd/mm/yyyy)	06/02/2019 - 05/02/2020
SDG Impacts targeted (as per approved PDD)	SDG 3 – Good Health and Wellbeing SDG 5 – Gender Equality SDG 6 – Clean Water and Sanitation SDG 13 – Climate Action

SECTION A.	PROJECT STATUS DESCRIPTION
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>> *Please indicate the scheme applicable to the micro-scale project*

1. Project is applying under the stand alone micro-scale scheme
2. Project is applying under the micro-programme scheme

Title of the Project or VPA:

GS1247 VPA 11 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 19 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 20 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 21 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 22 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 41 Gatsibo District Boreholes (GS4202)

GS1247 VPA 42 Gatsibo District Boreholes (GS4203)

GS1247 VPA 151 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 152 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 153 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 154 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

GS1247 VPA 155 Improved Kitchen Regimes: Gatsibo District Borehole Project, Rwanda

Title of the PoA:

GS1247 Improved Kitchen Regimes

Project Documentation Versions Supplied: v1

>> *Briefly indicate when the project started operation and discuss its current status.*

CO2balance is implementing 12 micro-scale VPAs in Gatsibo District, Rwanda, under the Gold Standard methodology *Technologies and Practices to Displace Decentralized Thermal Energy Consumption*. The project activity involves rehabilitating non-functioning boreholes to provide villages with a source of safe water. This displaces the baseline method of water treatment, which involves boiling water using solid fuel. The project activity removes the need of households to rely on firewood and coal to boil water and therefore reduces CO2 emissions. The 63 boreholes were rehabilitated between the 31st October 2014 and 1st September 2015.

A design change was conducted to the overall Gatsibo boreholes programme during MP3. Following on from the observation at MP2 verification that several VPAs in the programme were crediting significantly over the annual cap of 10,000 tCO₂e, the decision was taken to conduct a design change to register five additional VPAs (GS6786, GS6787, GS6788, GS6789 and GS6790) and redistribute a total of 25 boreholes into them from existing over-crediting VPAs. The design change was submitted to GS on 17th October 2018 and the review was completed on 7th December 2018.

SECTION B. OBJECTIVE OBSERVER'S OPINION

>>Provide an opinion as to whether the project activity is in line with The Gold Standard principles and whether SDG outcomes should be certified.

The primary aim of the Objective Observer (OO) was to call the project beneficiaries to (a) evaluate if the Gold Standard Stakeholder Consultations and/or input/grievances processes are appropriate, (b) to evaluate if the project risks violating any Gold Standard safeguards, (c) evaluate if the planned/monitored sustainable development indicators are able to demonstrate a real outcome and (d) evaluate if the project outcomes go beyond a business-as-usual scenario.

The OO took consideration of the above-mentioned points and his findings are as follow:

Under the point (a) and the GS Principle 3 on Stakeholder inclusivity, the OO interviewed the project beneficiaries and stakeholders and asked about their content with the grievance mechanism in place. Through Telephonic communication, The OO interviewed an average of seven beneficiaries per borehole together with women and farmers' cooperatives in (Akabuga, Gakona and Nyabisindu Cells) in Kiramuruzi Sector; (Rwimitereri and Murambi Cells) in Murambi Sector; (Kiburara and Munini Cells) in Rwimbogo Sector and (Matunguru and Kanyangese Cells) in Rugarama Sector. It was found that there's a communication between the project developers (Rwandans4Water) and the project beneficiaries mostly the water resources committees, the beneficiaries talk to R4W technicians as they make their bi-monthly visit to check on the boreholes. It has been proven that there are grievances books at the sector level where they record the boreholes problems and how the technicians overcome the challenges. By Telephonic conversation the OO interviewed a couple of farmers' cooperatives from different above-mentioned cells and they spoke positively of the boreholes water project and the way it helps them in their water usage and consumption. By Telephonic conversation The OO spoke with different local administration officers who stressed the importance of boreholes in the community. For example; the OO spoke with Mr. Juvens TWIZEREMUNGU, the Water and Sanitation Officer at the Gatsibo District; who mentioned that a big number of households in Gatsibo District rely on boreholes as their source of clean water and that the water from the borehole is safe to drink. The OO spoke with Ms. Vestine YANKURIJE and Mr. Fred KAZORA the exective secretaries of Kiramuruzi

and Rwimbogo sectors respectively; these local leaders also spoke positively of the projects and how they ameliorate the lives of their people.

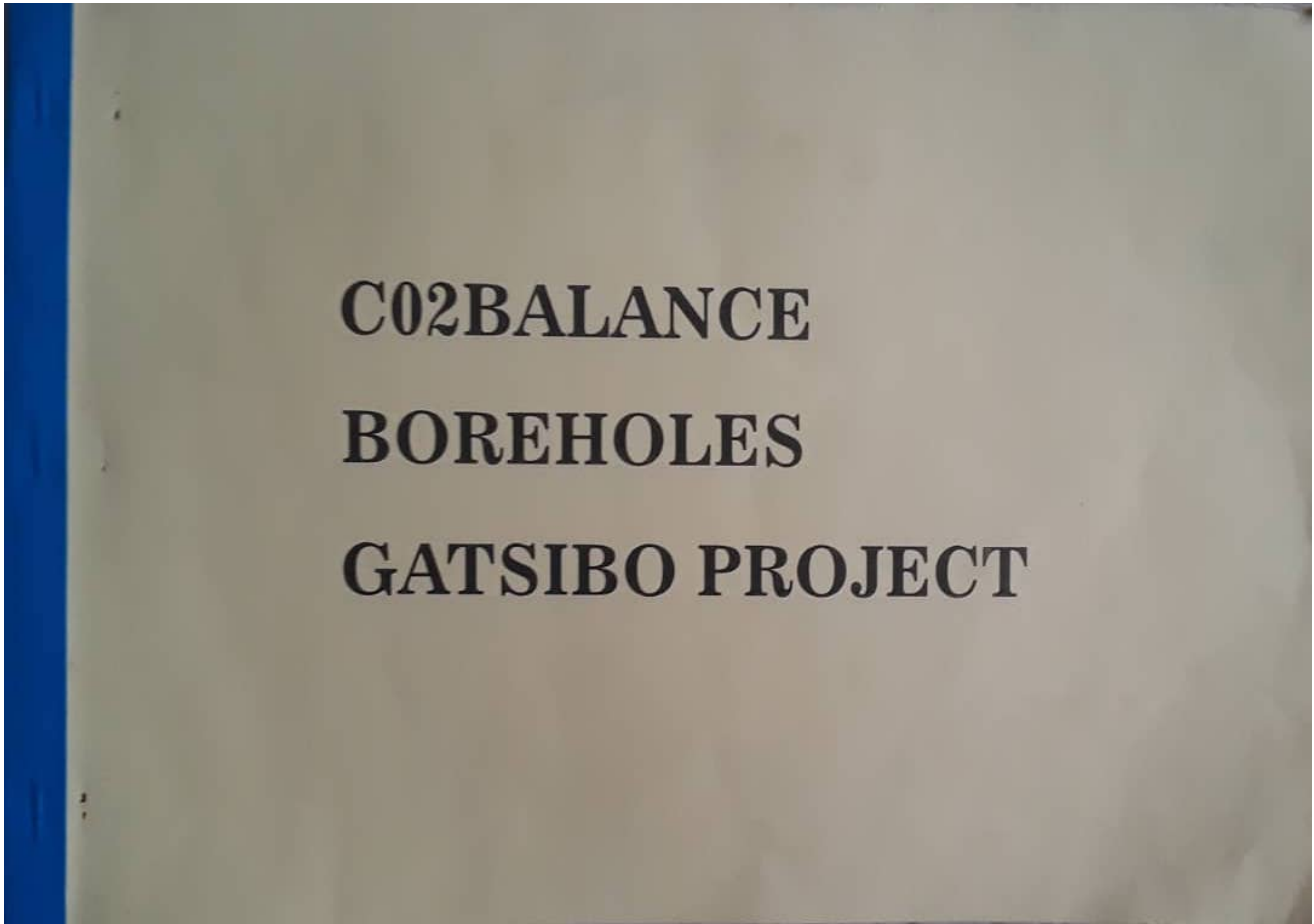
Under the point (b) and the GS Principle 2 on Safeguarding Principle, the OO interviewed by Telephonic means the project owners, stakeholders and beneficiaries if any potential risk associated to the project was found. It was found that the technology used is easy to understand and all the asked beneficiaries confirmed they have had no risk associated to the project. Through the interviews, the OO learnt that technology used by project developers is Afridev hand pump and India mark II hand pumps and the project beneficiaries assured that they understand that technology as they have been trained by the developers how these work.

Under the point (c) and the GS Principle 1 on Contribution to Climate Security & Sustainable Development, and Principle 4 on Demonstration of real outcomes, the OO examined the findings in impact assessment reports against set target and interviewed project stakeholders about the sustainable development indicators and from the telephone interviews with the stakeholders and beneficiaries, it was found that the project's targets are in line with the SDGs targets.

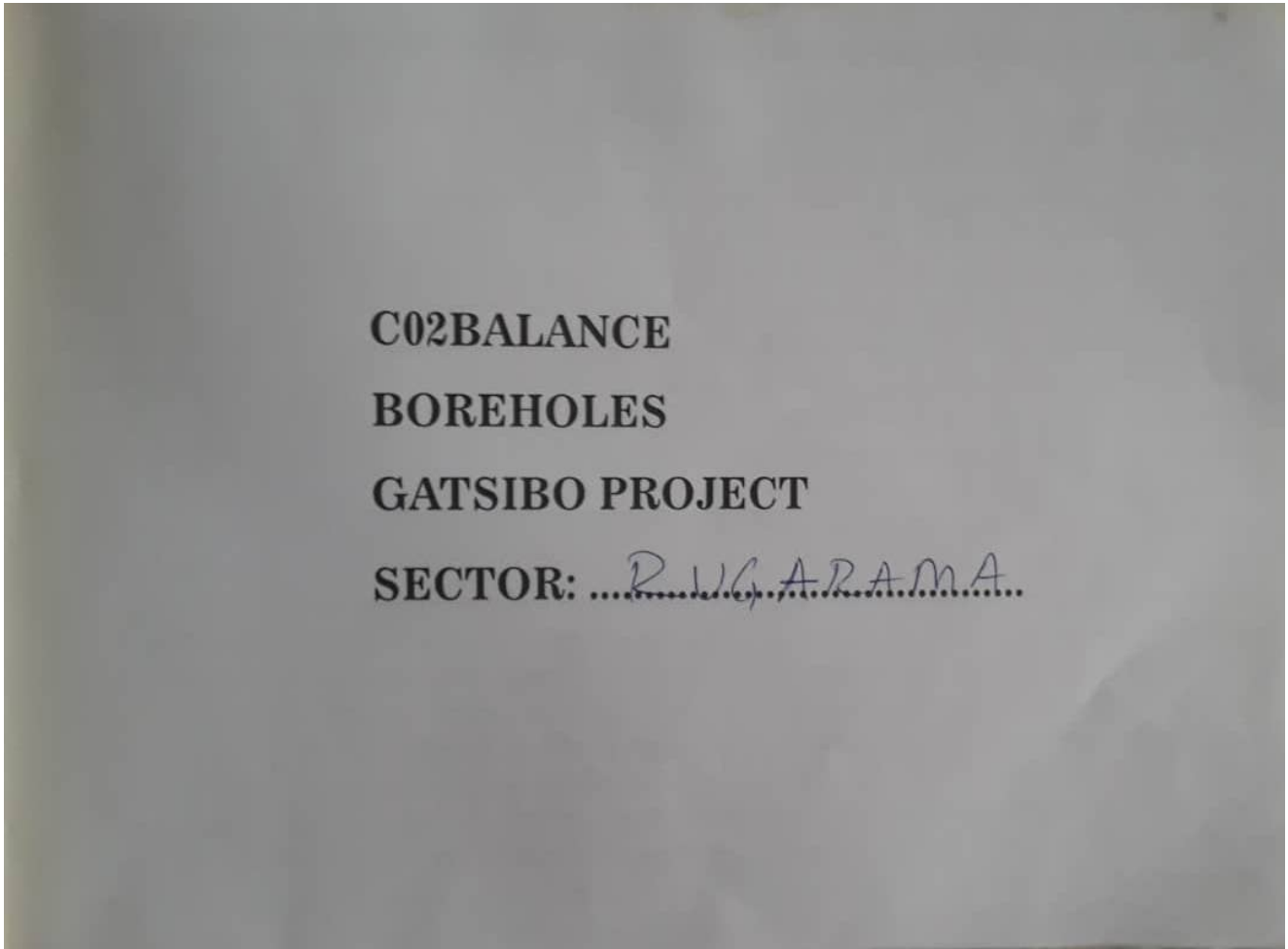
Under the point (d) and the GS Principle 5 on Financial Additionality and Ongoing Financial Need, the OO interviewed the beneficiaries if any benefit was brought by the water project. It was found that having the boreholes near them has brought a positive change in the community. The beneficiaries mentioned that they used to walk long distances to look for safe and clean water, others were fetching water from unprotected sources which were causing them to suffer from water-borne diseases; kids were missing schools because of either looking for safe water or collecting woods as well as falling sick because of using unsafe water. After getting their boreholes rehabilitated, the quality of communities' lives changed completely, and kids are no longer missing schools as they have clean water within reach and they no longer need to boil water for household consumption.

The OO have been able to find the pictures of two of the grievances books from two sectors (RUGARAMA and RWIMBOGO) where they record the boreholes problems and how the technicians resolved them. The developers confirmed that this exercise is done in all sectors where boreholes were rehabilitated.

Below are pictures:



Each sector has its grievance book



Grievance book from Rugarama Sector

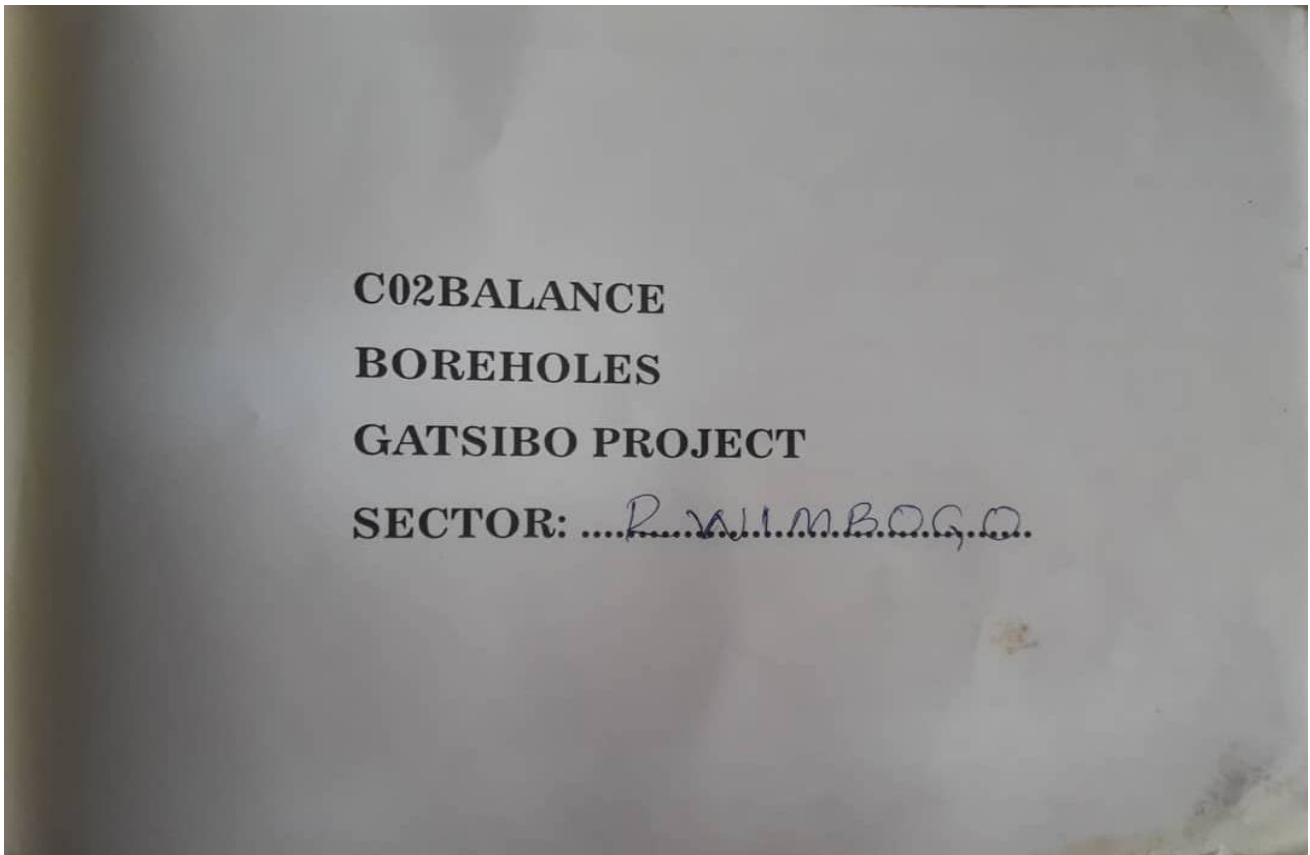
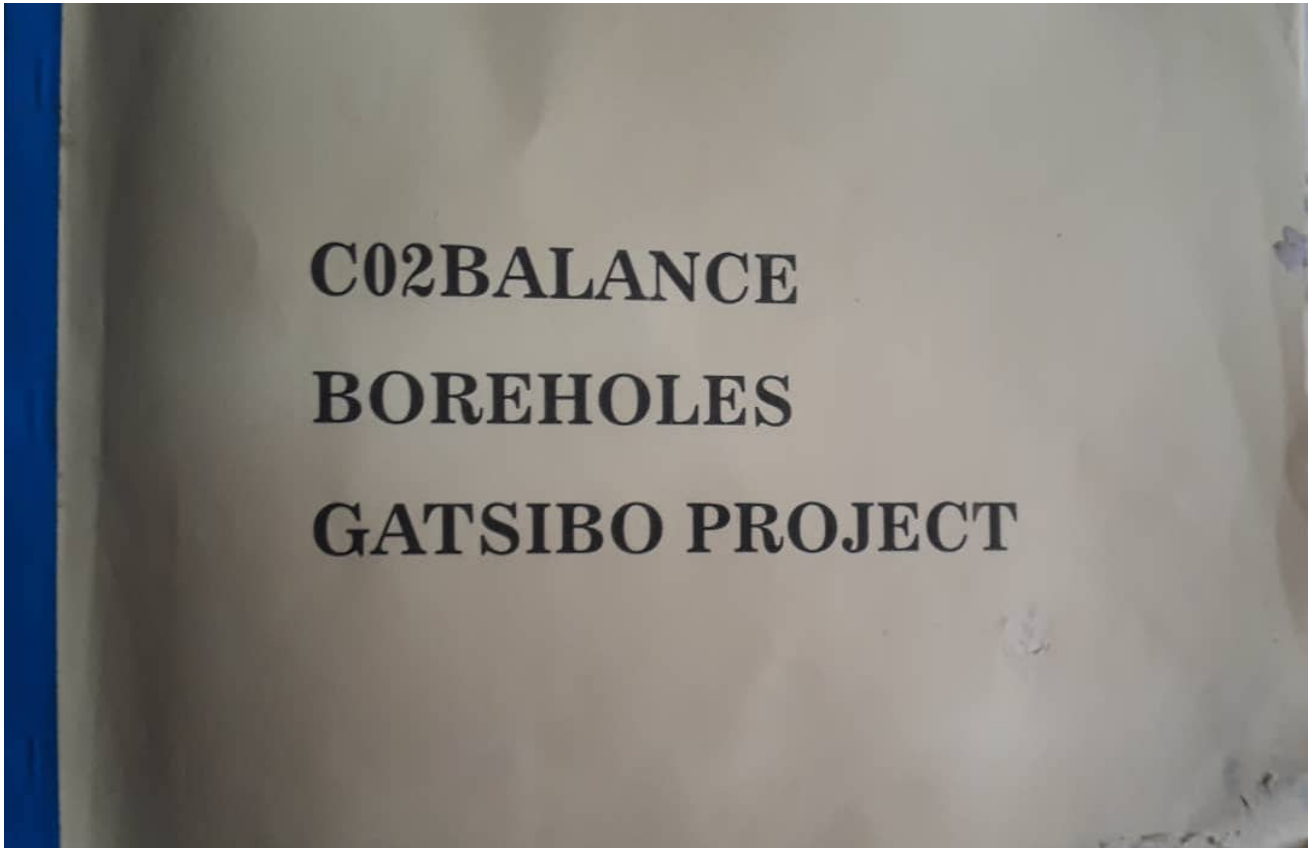
INPUT MECANISME OF BOREHOLES/ IMENYEKANISHA RY'UKO AMAVOMO (NAYIKONDO) AHAGAZE

DATE ITARIKI	BOREHOLE ID N° Y'IVOMO	NAMES/AMAZINA	COMMENT OR PROBLEMS/ IBIBAZO IFITE	PERSONNEL RESPONSIBLE FOR RESOLVING ISSUE/ USHINZWE GUKEMURA IBIBAZO	HOW THE ISSUE IS RESOLVED/ UKO IBIBAZO BYAKEMUWE
11/01/16	KABEZA	Nsengimana Epimpe	kuzana amazi make	Adelard Mbazumutima	Fixing riser pipe
28/01/16	REBERO	Musomera Emma	gusa ngura kwa cover	Muvunyi Hamza	Fixing head cover
09/02/16	TUNGIRO	Musomera Emma	Gufunguka kwa cover	Muvunyi Hamza	Fixing head cover
15/03/16	AGAKIRI	Nsengimana Epimpe	Gufunguka kumura	Adelard Mbazumutima	Fixing bolts & nuts
18/03/16	NYAMATA	Munyaneza Said	Gusaza kwa bearing	Adelard Mbazumutima	Replaced with new bearing
23/03/16	REBERO	Munyaneza Said	Gufunguka kwa cover	Adelard Mbazumutima	Fixing head cover
04/04/16	MUNINI	Munyaneza Said	Gufunguka amabura	Hamza Muvunyi	Fixing nut & bolts
10/04/16	RAMBURA	Munyaneza Said	Gufunguka amabura	Hamza Muvunyi	Fixing nut & bolts
27/04/16	TUNGIRO	Musomera Emma	Gucika kwa rods	Hamza Muvunyi	Change with new rods
17/05/16	KAMAMESA	Munyaneza Said	Gufunguka kwa cover	Adelard Mbazumutima	Fixing head cover
24/05/16	AGAKIRI	Nsengimana Epimpe	Gucika kwa pipe	Adelard Mbazumutima	Adding riser pipe
12/06/16	REBERO	Musomera Emma	GUFUNGUKA AMABURA	Hamza Muvunyi	Fixing bolts & nuts
11/07/16	KABEZA	Nsengimana Epimpe	kuzana amazi make	Muvunyi Hamza	Fixing riser pipe
09/08/16	NYAMATA	Munyaneza Said	Gufunguka amabura	Muvunyi Hamza	Fixing bolts & nuts
28/08/16	TUNGIRO	Musomera Emma	Gucika kwa rods	Adelard Mbazumutima	Fixing rods
15/09/16	MUNINI	Munyaneza Said	kuzana amazi make	Adelard Mbazumutima	replacing defective pipe
20/09/16	RAMBURA	Munyaneza Said	Gucika kwa pipe	Feli Louis	adding riser pipe
21/11/17	REBERO	Munyaneza Said	kuzana amazi make	Adelard Mbazumutima	replacing broken pipe
07/02/18	REBERO	Munyaneza Said	Nayikondo yashyamba	Adelard Mbazumutima	Removed mud/cleaned the well, disinfectated with Chlorine

INPUT MECANISME OF BOREHOLES/ IMENYEKANISHA RY'UKO AMAVOMO (NAYIKONDO) AHAGAZE

DATE ITARIKI	BOREHOLE ID N° Y'IVOMO	NAMES/AMAZINA	COMMENT OR PROBLEMS/ IBIBAZO IFITE	PERSONNEL RESPONSIBLE FOR RESOLVING ISSUE/ USHINZWE GUKEMURA IBIBAZO	HOW THE ISSUE IS RESOLVED/ UKO IBIBAZO BYAKEMUWE
20/03/18	AGAKIRI	NSENSIMANA Epimpe	kuzana amazi magye	Feli Louis	opened the borehole, re-connected pipes with glue
06/08/18	NYAMATA	MUNYANEZA Said	urusaku mugile cyo kuwama	Adelard Mbazumutima	Opened and replaced bent pump rods
07/08/18	KABEZA	NSENGIYUMVA Epimpe	kugabanuka kw'amazi	Feli Louis	opened and replaced foot valve
07/08/18	REBERO	MUSOMERA Emma	Gucika kwa pipe	Feli Louis	opened and replaced riser pipe.
15/10/18	RAMBURA	MUNYANEZA Said	Gufunguka kwa cover	Feli Louis	Fixing the head cover
19/11/18	MUNINI	MUNYANEZA Said	Gufunguka kwa buru	Feli Louis	fixing the nuts and bolts
15/02/19	TUNGIRO	MUSOMERA Emma	kuzana amazi magye	Adelard Mbazumutima	Opened the borehole and reconnected pipes
13/06/19	REBERO	Munyaneza Said	Gufunguka amabura	Feli Louis	Fixing bolts and nuts
13/06/19	MUNINI	Munyaneza Said	Gufunguka kwa cover	Feli Louis	fixing the head cover
26/10/19	AGAKIRI	Nsengimana Epimpe	Gucika kwa amabura	Adelard Mbazumutima	opened the borehole and replaced the objective pipe.

Here is where water resources committees records boreholes problems and how technicians resolves them in Rugarama Sector



Grievance book from Rwimbogo Sector

INPUT MECANISME OF BOREHOLES/ IMENYEKANISHA RY'UKO AMAVOMO(NAYIKONDO) AHAGAZE

DATE (TARIKI)	BOREHOLE ID N° Y'IVOMO	NAMES/AMAZINA	COMMENT OR PROBLEMS/ IBIBAZO IFITE	PERSONNEL RESPONSIBLE FOR RESOLVING ISSUE/ USHINZWE GUKEMURA IBIBAZO	HOW THE ISSUE IS RESOLVED/ UKO IBIBAZO BYAKEMUWE
14/04/16	Kiyovu	Mutezi Fred	Gusika kwa Rods	Adelard MUSAZI	Changed with new rods
14/04/16	Kiburara	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Replaced with new rods
08/05/16	Karambi	Mutinti Fred	Gusika kwa U-Son	Adelard MUSAZI	Replaced with new rods
21/05/16	Rukoma	Mutsizi Fred	Gusika kwa Pipe	Adelard MUSAZI	Adding riser pipe
23/05/16	KARUSU	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Replaced with new rods
02/06/16	Rwimbogo	Murekwayire Jona	kuzana amazi maha	Adelard MUSAZI	Adding riser pipe
03/06/16	Kibugavu	Murekwayire Jona	Gufungura kwa cover	Muvunyi Hamza	Fixing head cover
22/06/16	NYAMATEI	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Fixing bolts
04/07/16	Rwimbogo	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Fixing bolts & nuts
14/07/16	KARUSU	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Fixing bolts
08/08/16	REBEO	Kayitare Emmanuel	Gusika kwa Pipe	Muvunyi Hamza	Adding riser pipe
09/08/16	NYAMATEI	Murekwayire Jona	Gusika kwa Rods	Adelard MUSAZI	Changed with new rods
09/08/16	Dolembu	Murekwayire Jona	kuzana amazi maha	Adelard MUSAZI	Adding riser pipe
21/08/16	Kiyovu	Mutezi Fred	Gufungura amabura	Muvunyi Hamza	Fixing bolts & nuts
04/09/16	Karambi	Mutezi Fred	kuzana amazi maha	Adelard MUSAZI	Fixing riser pipe
14/09/16	Rukoma	Mutezi Fred	Gufungura kwa cover	Adelard MUSAZI	Fixing head cover
28/09/16	Rwimbogo	Murekwayire Jona	Gufungura amabura	Adelard MUSAZI	Changed with new rods
05/10/16	Kiburara	Murekwayire Jona	Gufungura amabura	Muvunyi Hamza	Replaced with new rods
06/10/16	REBEO	Murekwayire Jona	Gufungura kwa cover	Muvunyi Hamza	Fixing head cover
12/10/16	Rukoma	Murekwayire Jona	Gufungura amabura	Adelard MUSAZI	Fixing bolts
18/10/16	KIBUGAVU	Murekwayire Jona	kuzana amazi maha	Adelard MUSAZI	Adding riser pipe

INPUT MECANISME OF BOREHOLES/ IMENYEKANISHA RY'UKO AMAVOMO(NAYIKONDO) AHAGAZE

DATE (TARIKI)	BOREHOLE ID N° Y'IVOMO	NAMES/AMAZINA	COMMENT OR PROBLEMS/ IBIBAZO IFITE	PERSONNEL RESPONSIBLE FOR RESOLVING ISSUE/ USHINZWE GUKEMURA IBIBAZO	HOW THE ISSUE IS RESOLVED/ UKO IBIBAZO BYAKEMUWE
21/08/17	Kiburara	Murekwayire Jona	Gufunguruka buru	Feli Louis	Replaced bolts with new ones
21/08/17	Rukoma	Mutsizi Fred	kuzana amazi maha	Adelard MUSAZI	Replaced defective pipe
22/08/17	KIBUGAVU	Murekwayire Jona	Gufunguruka buru	Feli Louis	Fixing bolts & nuts
23/08/17	KARUSU	Murekwayire Jona	Gufunguruka cover	Feli Louis	Fixing cover
23/08/17	REBEO	Kayitare Emmanuel	kuzana amazi maha	Adelard MUSAZI	Replaced riser pipe
05/02/18	KIYOVU	Mutezi Fred	Kwanyizwa w'imvura	Feli Louis	Cleaned and disinfected the boreholes
27/02/18	NYAMATEI	Murekwayire Jona	Amazi maha	Adelard MUSAZI	Reconnected the pipes
26/03/18	NYAMATEI	Murekwayire Jona	Amazi yanduye	Adelard MUSAZI	Replaced the filter
12/06/18	Rwimbogo	Murekwayire Jona	Gufunguruka buru	Feli Louis	Fixing bolts and nuts
12/06/18	Rwimbogo	Murekwayire Jona	kunye ganyaza kwa cover	Feli Louis	Replaced bolts with new ones
13/06/18	Rwimbogo	Murekwayire Jona	Gufunguruka buru	Feli Louis	Replaced bolts
07/08/18	KIBUGAVU II	Murekwayire Jona	Amazi maha gane	Adelard MUSAZI	Replaced the pump
06/08/18	NYAMATEI	Murekwayire Jona	Amazi utayo aza	Adelard & Feli	Replaced pump
08/08/18	KARAMBI	Mutezi Fred	Gufunguruka buru	Feli Louis	Fixing bolts
05/10/18	KIBUGAVU	Murekwayire Jona	Amazi atungu	Adelard MUSAZI	Replaced the pump
18/10/18	NYAMATEI	Murekwayire Jona	Amazi yabazaga bya	Adelard MUSAZI	Replaced the pump
20/09/19	Rukoma	Mutsizi Fred	Gufunguruka cover	Feli Louis	Fixing the cover
20/09/19	REBEO	Murekwayire Jona	Gufunguruka ubwoko	Feli Louis	Fixing the handle
21/09/19	Kiburara	Murekwayire Jona	Amazi aza nabi	Adelard MUSAZI	Cleaned and disinfected
21/09/19	KARUSU	Murekwayire Jona	Gufunguruka buru	Feli Louis	Fixing bolts & nuts
20/09/19	REBEO	Kayitare Emmanuel	Kwabya kw'igiko	Feli Louis	Replaced with new rods

Here is where water resources committees records boreholes problems and how technicians resolves them in Rwimbogo Sector

INPUT MECANISME OF BOREHOLES/ IMENYEKANISHA RY'UKO AMAVOMO (NAYIKONDO) AHAGAZE

DATE ITARIKI	BOREHOLE ID N° Y'IVOMO	NAMES/AMAZINA	COMMENT OR PROBLEMS/ IBIBAZO IFITE	PERSONNEL RESPONSIBLE FOR RESOLVING ISSUE/ USHINZWE GUKEMURA IBIBAZO	HOW THE ISSUE IS RESOLVED/ UKO IBIBAZO BYAKEMUWE
12/06/19	KAGUSU	Murekwanje Jaja	Amazi macye	Feli Louis	Replaced riser pipe
12/06/19	KIYONU	Mutsizi Fred	Gufunguka bura	Feli Louis	Fixing bolt & nut
13/06/19	NYAMWIZA	Murekwanje Jaja	Urusaku rw'ibyuma	Adelard NABAZU	Revised the assembly
24/09/19	RWIMBESU	Murekwanje Jaja	kinyeganyaga ukuboko	Feli Louis	Fixing the handle
24/09/19	RUTEMBU	Murekwanje Jaja	kazama amazi macye	Adelard NABAZU	Revised the piping system
23/08/19	KIBAZU	Murekwanje Jaja	Gufunguka igitero	Feli Louis	Fixing the handle
24/08/19	RUSANZA	Murekwanje Jaja	Amazi macye	Adelard NABAZU	Replaced defective pipe
21/01/20	KAGUSU	Murekwanje Jaja	Amazi atinda buza	Adelard NABAZU	Changed fast valve
23/01/20	KIBAZU	Murekwanje Jaja	Amazi macye	Adelard NABAZU	Reconnected pipe, and cylinder valve with nuts
23/01/20	KARAMA	Mutsizi Fred	Gufunguka bura	Feli Louis	Fixing rods
19/01/20	RORORO	Mutsizi Fred	kinyeganyaga header	Feli Louis	Fixing header

The records are until January 23, 2020

The Objective Observer conclusion on the project verification:

Considering all of the elements and the Gold Standard Principles; the project is found in line with the requirements. No risk was identified as a result of the project; instead the beneficiaries showed that the project saved their lives. And considering the interviews with the project stakeholders and beneficiaries, the reported information by project's representatives is relevant and verifiable.

SECTION C. DETAILS OF SITE VISIT

C.1 Team on site

>>List Objective Observer(s) that went on site. Provide brief information about his/her (their) background and relevant skills.

Jerome Bugingo was the Objective Observer for this task. He is a researcher enumerator at the SNV, a not-for profit international development organization working in Rwanda for more than 35 years to improve people's livelihoods. At SNV, Jerome conducts qualitative and quantitative interviews in household's surveys on water usage practices and health outcomes. Jerome has one-year experience in organizing and supervising field activities related to boreholes drilling and installing water kiosks at Water Access Rwanda.

C.2 Period of site-visit

>>Time period during which Objective Observer(s) was (were) on-site.

The Objective Observer conducted the interviews between Monday-Wednesday, April 27 to April 29, 2020

C.3 People interviewed

>>Provide the list of the individuals interviewed during the site visit and include relevant information on the group or organisation they represent.

The OO interviewed different stakeholders and beneficiaries from the following cells of the following sectors (Akabuga, Gakona and Nyabisindu Cells) in Kiramuruzi Sector; (Rwimitereri and Murambi Cells) in Murambi Sector; (Kiburara and Munini Cells) in Rwimbogo Sector and (Matunguru and Kanyangese Cells) in Rugarama Sector.

The detailed excel spreadsheet showing every name of the people interviewed is attached.

C.4 Means for interviews

>>Describe the means used to interview individuals during site visit; e.g. one to one interactions, telephonic conversations, etc.

Due to the COVID-19 pandemic, the travel within the country have been suspended and people are remaining indoors (under lockdown); for this reason the means of interview were telephonic conversations.

SECTION D. EVALUATION OF THE STATUS OF MITIGATION AND COMPENSATION MEASURES

>> Evaluate whether the measures to mitigate risks to safeguarding principles identified during project registration have been implemented. Also check if any compensation promised to stakeholders have been delivered.

The OO learnt from the project developers that prior to the implementation of the project, there have been feasibility and physical assessment to study the status of those broken boreholes and environmental assessment to measure environmental impact and risks of the project on the rest of the ecosystem. During the interview, the OO confirmed with the communities that these infrastructures were there but broken, so rehabilitating them did not cause any risk, instead the communities were desperate to see them functional, so there were no risk associated to their rehabilitation.

Mitigation or compensation measure	Comments (provide information on status of implementation)
n/a	n/a

SECTION E. STATUS OF SUSTAINABLE DEVELOPMENT GOALS OUTCOMES

>> With reference to the Sustainability Monitoring Report, evaluate the outcomes against the SDGs addressed by the project, including SDG 13.

The OO reviewed the Sustainability Monitoring report by the project developers, most reviewed their provided annual monitoring reports and evaluated the proposed

outcomes against the SDGs, including SDG 13. From the time these boreholes were rehabilitated, the communities around these water sources have experienced improved life, the time they used to spend collecting water and fuels has dropped dramatically and they confirmed that they use that time in other income generating activities and kids use that time in studying. The water resources committees and project developers stay in touch to make sure the boreholes keep functioning throughout. The OO compared the monitoring reports and feedback from different interviewed households by telephone conversation and concluded that the data provided by the project developers is relevant.

Project Developer Sustainability Monitoring Report

Relevant SDG Indicator	SDG 3 (Good Health and Wellbeing)
Data / Parameter	HAPR _y
Unit	%
Description	Total reduction in Household Air Pollution for project activity in year y (%)
Source of data	Household lists; Usage Survey; Water Consumption Field Test
Value(s) applied	100% (All VPAs)
Measurement methods, procedures, and how will it be documented	Surveys and field tests
Monitoring frequency	Annual
QA/QC procedures	-
Purpose of data	To calculate the additional number of persons who have access to safe water in the project activity compared to the baseline scenario and to calculate from that the percentage decrease in biomass used to purify water through boiling.
Additional comment	-

Relevant SDG Indicator	SDG 5 (Gender Equality)
Data / Parameter	TRy
Unit	%
Description	Total reduction time spent collecting water for project activity in year y (%)
Source of data	Project Survey
Value(s) applied	59.90% (All VPAs)
Measurement methods, procedures, and how will it be documented	Calculate the average amount of time spent collecting water in the project scenario and compare to the pre-project scenario
Monitoring frequency	Annual
QA/QC procedures	-
Purpose of data	To quantify whether the project has contributed to a reduction in the amount of time spent collecting water compared to the pre-project scenario
Additional comment	-

Relevant SDG Indicator	SDG 5 (Gender Equality)
Data / Parameter	Usage of time saved on water collection
Unit	%
Description	Uses of time saved which was previously spent on water collection (%)
Source of data	Project Survey
Value(s) applied	<ol style="list-style-type: none"> 1. (Unpaid) Domestic work (includes cooking and caring for family members): 26% 2. Income generating activities: 36% 3. Religious activities: 4% 4. Social and leisure activities: 20% 5. Voluntary activities: 0% 6. Education and training: 15% 7. Other (Specify): 0%

Measurement methods, procedures, and how will it be documented	Ask users how time saved on water collection in the project scenario, as opposed to the baseline scenario, is now being used.
Monitoring frequency	Annual
QA/QC procedures	-
Purpose of data	To quantify how time which was previously spent on water collection is now being used
Additional comment	-

Relevant SDG Indicator	SDG 6 (Access to Clean Water and Sanitation)
Data / Parameter	P_{access}
Unit	Number
Description	Number of additional persons having access to safe water in the project activity compared to the baseline scenario.
Source of data	Household lists; Usage Survey
Value(s) applied	GS3306: 2676 GS3430: 2676 GS3431: 2680 GS3432: 2597 GS3433: 2676 GS4202: 2679 GS4203: 2673 GS6786: 1869 GS6787: 2647 GS6788: 2580 GS6789: 2609 GS6790: 2684
Measurement methods, procedures, and how will it be documented	Borehole users * Usage rate
Monitoring frequency	Annual
QA/QC procedures	-

Purpose of data	To calculate the additional number of persons having access to safe water in the project activity compared to the baseline scenario
Additional comment	-

Relevant SDG Indicator	SDG 13
Data / Parameter	GHG emission reductions
Unit	tCO2e
Description	Calculation of emission reductions
Source of data	Project Survey, Usage Survey, WCFT, ERCs
Value(s) applied	GS3306: 9,967 tCO2e GS3430: 9,967 tCO2e GS3431: 9,984 tCO2e GS3432: 9,674 tCO2e GS3433: 9,967 tCO2e GS4202: 9,980 tCO2e GS4203: 9,957 tCO2e GS6786: 9,523 tCO2e GS6787: 9,859 tCO2e GS6788: 9,610 tCO2e GS6789: 9,718 tCO2e GS6790: 9,997 tCO2e
Measurement methods, procedures, and how will it be documented	As defined in VPA-DDs and methodology
Monitoring frequency	Annual
QA/QC procedures	-
Purpose of data	Calculation of ERs
Additional comment	-

SECTION F. STATUS OF IMPLEMENTATION OF CONTINUOUS INPUT / GRIEVANCE MECHANISM & FEEDBACK RECEIVED

>>Evaluate whether the approved/selected methods of Continuous Input/Grievance Mechanism from the LSC report / other consultations have been implemented on site.

Evaluate the stakeholders' comments received by different methods and responses provided by project developer. Also provide opinion if any mitigation measures should be put in place to address the comments raised.

The OO interviewed different stakeholders and the attendance was representative enough. It was found that the comments raised during Stakeholders Consultation Meeting have been answered and addressed appropriately. The developers rehabilitated the broken boreholes that serve a big number of populations. However, they couldn't build new ones as it was not part of the project. The households and project developers confirmed that there's a frequent water quality tests to make sure that water is safe for household consumption.

Using telephonic meansThe OO interviewed different beneficiaries and these mentioned that they used to walk long distances to look for safe and clean water, others were fetching water from unprotected water sources like rivers and dams which were causing them to suffer from water-borne diseases; kids were missing schools because of either looking for safe water or collecting woods as well as falling sick because of using unsafe water. After getting water within reach, the quality of communities' lives changed completely, and kids are no longer missing schools as they have clean water within reach and they no longer need to boil water for household consumption.

Using telephonic means The OO interviewed different households and stakeholders and it was found that there's a frequent communication between the project developers and the project beneficiaries mostly the water resources committees and they communicate to Rwandans4Water every problem the boreholes face; they also mentioned that the Rwandans4Water team makes a bi-monthly visit to check on the boreholes. The OO obtained the grievances books photos where records of the boreholes problems and how Rwandans4Water personnel resolve those problems.

By telephonic conversation The OO interviewed one of Rwandans4Water personnel who confirmed the above information. He said that they have a couple of technicians who make bi-monthly visits and any other time there is a need. Two of the technicians stays in Gatsibo to help the community with those issues the boreholes face.

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
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<p>Will local people be taught how to repair the boreholes?</p>	<p>Yes</p>	<p>The project will work with local communities and encourage participation and involvement in the repairs where possible, so that the continued maintenance of the borehole in collaboration with local communities will be possible.</p>
<p>Will the project include other water sources such as springs, taps etc?</p>	<p>No</p>	<p>The project will begin with just repairing the broken boreholes, as we are just starting our work in this area, and there are a lot of boreholes in need of repair. In the future, we may look into other water sources and possibilities.</p>
<p>Will the project also drill new boreholes?</p>	<p>No</p>	<p>As above, the project will begin with just rehabilitations and then there is the possibility of new boreholes in the future.</p>
<p>Ngarama Sector has a particularly bad problem with access to water, can the project start there?</p>	<p>No</p>	<p>The boreholes to be included in the first VPA will be chosen in conjunction with Rwandans4Water, and must meet certain criteria to be eligible for the project. It is not known yet where the project will begin, but Rwandans4Water will be in contact with the Sector officials to see how they can assist in the area.</p>

The continuous input mechanism will be carried out via a number of different channels to ensure communication between beneficiaries and CO2balance is achieved in the best possible manor. The table provides a description of each feedback mechanism:

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	A register book will be placed in the Sector Office for each Sector.	Frequent meetings are held at the Sector Offices so people will be able take advantage of the meetings to give feedback and access the book. There may not be boreholes in each Cell, so Sector level was deemed more suitable.
Telephone access	A phone number 0789786375 was provided by co2balance to be used by the stakeholders to give feedback and will be operating at all times during the day.	Widely accessible Relatively cheap Can be used by people who are illiterate
Internet/email access	People will also be able to provide feedback via the below email addresses; rwanda@co2balance.com Read by the relevant Project Managers jbnsabimana@gmail.com Read by Jean Baptiste Nsabimana, the Rwanda Projects Consultant	Although there is scarcity of internet access, some government offices have computers and internet access; however there is high internet illiteracy at the village level and extremely low availability of internet services. Hence this option was less preferred.

CONFLICT OF INTEREST DECLARATION

Jerome BUGINGO, aged 29 years, residing at Nyarugenge, Kigali, Rwanda, and working for SNV Rwanda, which is located at KG622st, having been selected to serve as an Objective Observer on behalf of The Gold Standard Foundation, hereby certify and declare as follows:

Neither I nor anyone else having influence over me has an interest with any person or in any firm, corporation or other business entity that is involved in the assessed project activity "GS3306, GS3430-3, GS4202-3, GS6786-90" nor have I participated, directly or indirectly, by committee or as a consultant, advisor, employee, officer, director, agent, trustee, or otherwise, in the development, implementation, or administration of . I further certify GS3306, GS3430-3, GS4202-3, GS6786-90, and declare that in no way do I have a bias in favor or against any person, firm, corporation or business entity involved with , and I unders GS3306, GS3430-3, GS4202-3, GS6786-90 tand that such bias would disqualify me as an Objective Observer. If at any time during the evaluation process I should become aware of any interest or bias, I will report it immediately to The Gold Standard Foundation.

For purposes of this declaration, I understand "interest" to include any consideration or other thing of economic value, including future consideration.

Name: **Jerome BUGINGO**

A handwritten signature in black ink, appearing to read 'Jerome Bugingo', with a large, stylized initial 'J'.

DONE AT KIGALI, MAY 13TH, 2020