

Gold Standard for the Global Goals
Verification Appraisal Report



March 2018 - version 1.1

KEY PROJECT INFORMATION

Title of the project	GS1247 Southern Ethiopia Community Boreholes; GS1247 Southern Ethiopia Community Safe Water
Gold Standard project id	VPA 86 – GS5322 VPA 87 – GS5323 VPA 88 – GS5324 VPA 127 – GS6037 VPA 128 – GS6038 VPA 149 – GS6783 VPA 150 – GS6784 VPA 165 – GS7287 VPA 166 – GS7288 VPA 168 – GS7289 VPA 169 – GS7290 VPA 170 – GS7291 VPA 171 – GS7292
Host Country	Ethiopia
Date of Design Certification	GS5322-4: 02/11/2017 GS6037-8: 28/12/2017 GS6783-4: 28/06/2019 GS7287-92: 14/01/2020
Start date of crediting period	GS5322: 07/06/2017 GS5323: 10/06/2017 GS5324: 14/06/2017 GS6037: 22/06/2017 GS6038: 14/06/2017 GS6783: 11/10/2017 GS6784: 30/08/2017 GS7287: 11/05/2019 GS7288: 11/04/2017 GS7289: 16/03/2017 GS7290: 13/03/2017 GS7291: 28/02/2019 GS7292: 02/03/2019
Duration of this monitoring period (dd/mm/yyyy) to (dd/mm/yyyy)	GS5322: (09/05/2019 to 25/03/2020) MP3 GS5323: (09/05/2019 to 25/03/2020) MP3 GS5324: (09/05/2019 to 25/03/2020) MP3 GS6037: (09/05/2019 to 25/03/2020) MP3 GS6038: (09/05/2019 to 25/03/2020) MP3 GS6783: (09/05/2019 to 25/03/2020) MP2 GS6784: (09/05/2019 to 25/03/2020) MP2 GS7287: (11/05/2019 to 25/03/2020) MP1 GS7288: (11/04/2019 to 25/03/2020) MP1 GS7289: (16/03/2019 to 25/03/2020) MP1

	GS7290: (13/03/2019 to 25/03/2020) MP1 GS7291: (28/02/2019 to 25/03/2020) MP1 GS7292: (02/03/2019 to 25/03/2020) MP1
SDG Impacts targeted (as per approved PDD)	1 – SDG 3 – Good Health and Well-being 2 – SDG 5 - Gender Equality 3 – SDG 6 - Clean Water and Sanitation 4 - 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 86 Southern Ethiopia Community Boreholes (GS5322);
GS1247 VPA 87 Southern Ethiopia Community Boreholes (GS5323);
GS1247 VPA 88 Southern Ethiopia Community Boreholes (GS5324);
GS1247 VPA 127 Southern Ethiopia Community Boreholes (GS6037);
GS1247 VPA 128 Southern Ethiopia Community Boreholes (GS6038);
GS1247 VPA 149 Southern Ethiopia Community Safe Water (GS6783);
GS1247 VPA 150 Southern Ethiopia Community Safe Water (GS6784);
GS1247 VPA 165 Southern Ethiopia Community Safe Water (GS7287);
GS1247 VPA 166 Southern Ethiopia Community Safe Water (GS7288);
GS1247 VPA 168 Southern Ethiopia Community Safe Water (GS7289);
GS1247 VPA 169 Southern Ethiopia Community Safe Water (GS7290);
GS1247 VPA 170 Southern Ethiopia Community Safe Water (GS7291);
GS1247 VPA 171 Southern Ethiopia Community Safe Water (GS7292);

Title of the PoA: GS1247 Improved Kitchen Regimes Multi-Country PoA

Project Documentation Versions Supplied:

Monitoring Report version 1:

GS 5322-24, 6037-38 MP3; 7287-92 MP1 MR v1;

GS6783-4-MP2 MR v1

Emission Reduction Calculations version 1:

GS5322 VPA 86 ER Calcs MP3_v1;

GS5323 VPA 87 ER Calcs MP3_v1;

GS5324 VPA 88 ER Calcs MP3_v1;

GS6037 VPA 127 ER Calcs MP3_v1;

GS6038 VPA 128 ER Calcs MP3_v1;

GS6783 VPA 149 ER Calcs MP2_v1;

GS6784 VPA 150 ER Calcs MP2_v1;

GS7287 VPA 165 ER Calcs MP1_v1;

GS7288 VPA 166 ER Calcs MP1_v1;

GS7289 VPA 168 ER Calcs MP1_v1;

GS7290 VPA 169 ER Calcs MP1_v1;

GS7291 VPA 170 ER Calcs MP1_v1;

GS7292 VPA 171 ER Calcs MP1_v1

Monitoring Surveys version 1:

- Water_BH_2020_Project Survey_Ethiopia
- Water_BH_2020_Usage_Survey_Ethiopia
- BH_WCFT Survey_04012018-Analysis

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

In total 58 boreholes were rehabilitated as part of these projects between the 6th June 2016 and the 13th November 2019. The number of days each borehole credited for in this monitoring period was multiplied by the number of people using the borehole to give the total number of project technology days for that borehole. The individual project technology days for each borehole were totaled to give the total number of project technology days for this monitoring period. This verification marks the completion of the first monitoring period for VPA's 165-166; and 168-171, the second monitoring period for VPA's 149-150, and the third monitoring period for VPAs 86-88; and 127-128.

Monitoring conducted in 2020 estimated project parameters, using a representative random sample. The usage survey is designed to determine the usage rate for the project; the proportion of people using safe water for project-related activities and no longer boiling their water before consumption in project-related activities.

The project survey aims to compare the current monitoring period to the baseline scenario previously determined. It measures project water use, fuel use and WASH progress alongside standard household characteristics. For example, the project survey shows who is usually responsible for collecting water within households (Figure 1), where people collect their fuel from (Figure 2) and what activities people intend to do with the time saved as a result of the project (Figure 3).

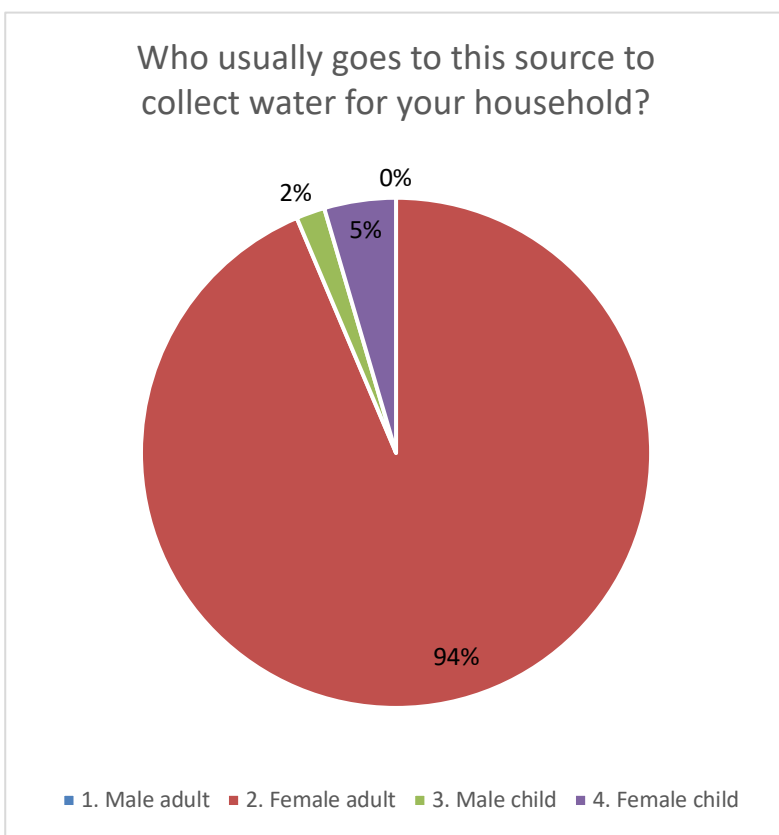


Figure 1. Household water collection split by age and gender.

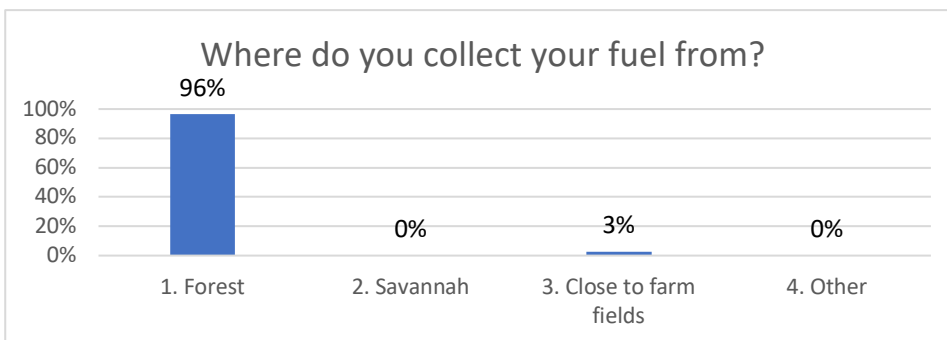


Figure 2. Fuel collection.

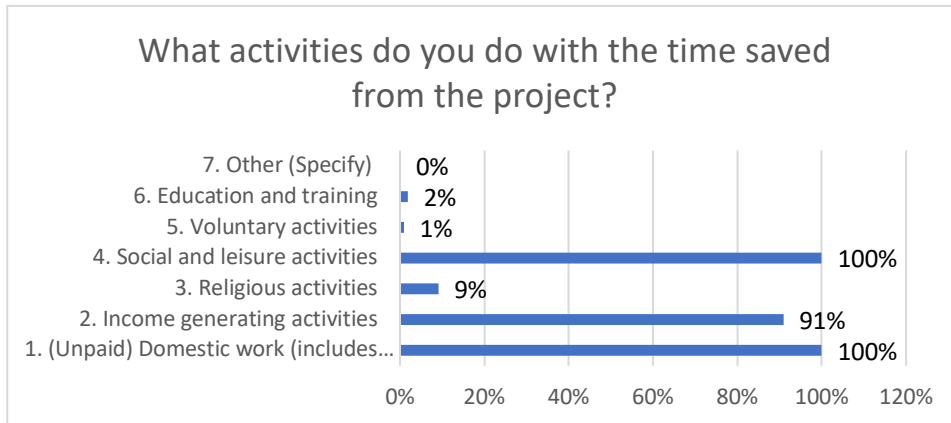


Figure 3. Where time saved from the project will be put to use.

The survey results were used to calculate SDG impacts of the projects for SDGs 3, 5, 6 and 13.

SDG 3 (Good Health and Well Being):

P_{safe} - The number of additional persons having access to safe water in the project activity compared to the baseline scenario is used to determine the project contribution to SDG 3. The full calculation can be found in the project Monitoring Report and Emissions Reductions Calculations. The number of persons having access to safe water in the project activity (P_y) is monitored annually and is determined through household lists.

SDG 5 (Gender Equality):

TR_y - Total reduction time spent collecting firewood per day for project activity in year y (hours) – shows the project contribution to SDG 5. The time spent collecting firewood per household per day ($T_{p,y}$) is monitored and compared to the baseline value. This monitoring period saw a reduction of 0.68 hours per day in time spent collecting firewood from an average of 3.02 hours in the baseline scenario to 2.34 hours.

SDG 6 (Clean Water and Sanitation):

P_{access} – Number of additional persons having access to safe water in the project activity compared to the baseline scenario – is used to measure the project contribution to SDG 6. This calculation uses two monitored parameters. P_y (which is discussed above under SDG 3) and the usage rate in the given year ($U_{p,y}$) are updated with each verification. For this monitoring period, the usage rate was found to be 100%.

SDG 13 (Climate Action):

Please see the respective Emissions Reductions calculations for each VPA. ERs for the monitoring period were capped based on a daily rate to account for the variable lengths of the monitoring periods in MP1 and to account for MP2 and MP3 being less than a full year.

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.

This short report mainly focused to provide an opinion on whether the project (XXX) is in line with the gold standard principles and criteria.

The consultant conducted an interview with beneficiaries, local community representatives and project implementers to evaluate the projects aligned with the gold standard principles.

In this assignment, seven borehole developments are considered. They are mainly located in Arbaminch zuria (3), Mirab Abaya (2) and chench (2) woreda. The visited borehole Id is:

1. VGIF-03-005
2. VGIF-03-008
3. VGIF-03-012
4. VGIF-02-001
5. VGIF-03-009
6. VGIF-01-012
7. VGIF-01-019

All the boreholes are properly functioning during the assessment period.

Based on the available information, I conclude that the gold standard principles and criteria were effectively employed by the project. The peoples are actively participated in the project implementation and did not show any grievances toward the project, in addition, the project demonstrates a positive contribution to health and sustainable development. I proposed that the project shall be validated.

Contribution to Climate Security & Sustainable Development: All the interviewed beneficiaries indicated that they are better off mainly in avoiding health risks. Previously they were using water source from small streams and river. They indicated that they were highly vulnerable to water transmitted diseases. To mitigate the health hazard, they were boiling the water to make it safe for drinking. However, this process had also consequence in their economic situation since they spend a significant amount of their income to purchase fuelwood. The unsustainable use of fuelwood by itself have a significant impact on the Environment.

Safeguarding: in this principle, I tried to look if there is misalignment to social and environmental safeguards encompassing a range of issues including, but not limited to, human rights, gender equality, health and safety, land tenure. The committee who are organised to administer the boreholes perform an excellent job in keeping the safeguarding principles. In one of the sites, the borehole was located in private land, the owner is properly compensated for the land he provided. The committee members and the government representative confirmed this.

In safeguarding gender and human rights, the committee decided that no one is excluded from using the water source. To cover the miscellaneous costs members, pay from 3 – 10 birrs per month per household. Pregnant women and mothers with a new-born child get special treatment in getting water

without waiting in line. In addition, the distance they had to travel to get water is minimised from a kilometre to meters, which minimised the occurrence of assaults on females.

Stakeholder Inclusivity: the project involves from the start different stakeholders, Mainly representative of the population and the different level of government (from woreda to zonal administration). Because of this, there are no grievances documented following the project implementation activity.

Finally, having all these observations in mind, the consultant would like to make recommendations and raise few points that might need few discussions.

- Conservation activities shall continue for the continuous flow of water in both dry and wet season. In Some of the boreholes water volume decline is experienced in dry seasons. This could indicate that in long term water access might be influenced by dry season.
- According to the beneficiaries, the water quality is excellent. Because of this people come from far to fetch water, and long line of people to get water. Sometimes it takes up to 3 hours to get water. Almost all the beneficiaries requested for additional water resources.
- I recommend taking a capacity building measures for the committee members, in proper administration of the water points and the gold standard principles, because as the number of beneficiaries increasing over time and with limited resources, problem will arise.



Borehole name	No. of Beneficiaries HH	No of Peoples (HH size 5.6)
VGIF /01 -012	120	580 - 670
VGIF-01-019	110	600 - 700
VGIF-02-001	66	370 – 450
VGIF-02-009	125	650 - 700
VGIF-03-005	222	1,250 - 1400
VGIF-03-008	126	700 - 800
VGIF 03-012	149	830 - 1000
Total	918	5,000 - 5500

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.

Dereje Bekele is currently working as a monitoring and evaluation team leader in GLZ program. He has more than six-year experience working in M&E and before taking the M&E assignment he has worked on improved cookstove promotion in the country. In total Dereje has more than a decade of experience in development assistance activities.

Because of the corona virus pandemic, the government restricted movement across the region, the assignment is carried out remotely.

C.2 Period of site-visit

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

The assignment is carried out from June 4, 2020 – June 16,2020

No field visit is conducted. Because of the corona virus pandemic, the government restricted movement across the region, the assignment is carried out remotely.

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.

Name	Position
Sultan Abdurahman	Programm manager
Tsehayu kassie	Field coordinator
Alemayehu Matheos	Project officer
Tamrat Getachew	Committee member and beneficiary
Wubalem Demise	Committee member and beneficiary
Getachew Cheneke	Committee member and beneficiary
Gorge Orcho	Committee member and beneficiary
Ato Seyoum	beneficiary
Jagso	Committee member and beneficiary
Ato Wada	Committee member and beneficiary
Zelalem maru	Committee member and beneficiary
Tariku Bele	Committee member and beneficiary
W/ro Amarech Aysa	Committee member and beneficiary
W/ro Kugnak Kuchila	beneficiary
Ewnetu tiyare	Committee member and beneficiary
Inspector Gebabo	beneficiary
Mengestu sayo	Committee member and beneficiary
W/ro Beyenech Balcha	Committee member and beneficiary
Ashiko	beneficiary

W/ro Burchiko	Committee member and beneficiary
W/ro Amele Abayneh	Committee member and beneficiary
Ato abayneh shano	Committee member and beneficiary
Mesele Worku	Committee member and beneficiary
Tenaye Yishak	beneficiary
Zerihun	Committee member and beneficiary
Abiyot Sitota	Committee member and beneficiary
Merkeb Msine	Committee member and beneficiary
Markos Mazge	beneficiary

C.4 Means for interviews

The means of communication is interview. The interview is conducted via telephone. In addition, email communication is used to exchange documents and pictures.

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

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.

No risks to safeguarding principles were identified during project registration and thus no compensation promised to stakeholders as part of the projects. The feedback during the local stakeholder consultation was very positive. There have been no negative comments or complaints regarding the projects to date through the various means of communication provided in the continuous input mechanism.

Mitigation or compensation measure	Comments (provide information on status of implementation)
N/A	
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.

Project Developer Sustainability Monitoring Report

Relevant SDG Indicator	SDG 3 (Good Health and Well-Being)
Data / Parameter	Psafe
Unit	No. of People
Description	Number of additional persons consuming safe water in the project activity compared to the baseline scenario.
Source of data	Project Survey and baseline survey
Value(s) applied	GS5322: 1,862 GS5323: 1,852 GS5324: 1,335 GS6037: 1,561 GS6038: 1,688 GS6783: 1,694 GS6784: 1,693 GS7287: 2,118 GS7288: 2,114 GS7289: 2,290 GS7290: 2,164 GS7291: 2,779 GS7292: 2,133
Measurement methods, procedures, and how will it be documented	The percentage of users who were already consuming safe water in the baseline without boiling it (C_i) is determined through the baseline survey and deducted. Additionally, the percentage of users who consumed safe water by boiling it in the baseline ($P_{b, \text{boil}}$) is deducted from the number of persons consuming safe water in the project activity.
Monitoring frequency	Annually
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.
Additional comment	-

Relevant SDG Indicator	SDG 5 (Gender Equality)
Data / Parameter	TR_y
Unit	hours
Description	Total reduction in time spent collecting firewood for project activity in year y (hours)
Source of data	Project Survey and baseline survey
Value(s) applied	0.68
Measurement methods, procedures, and how will it be documented	Calculate the average amount of time spent collecting firewood in the project scenario and compare to the pre-project scenario.
Monitoring frequency	Annual
QA/QC procedures	N/A
Purpose of data	Calculation of SDG 5
Additional comment	-

Relevant SDG Indicator	SDG 6 (Clean Water and Sanitation)
Data / Parameter	P_{access}
Unit	Number of people
Description	Number of additional persons having access to safe water in the project activity compared to the baseline scenario
Source of data	Project Survey and baseline survey

Value(s) applied	GS5322: 2,865 GS5323: 2,849 GS5324: 2,054 GS6037: 2,401 GS6038: 2,596 GS6783: 2,607 GS6784: 2,604 GS7287: 3,258 GS7288: 3,253 GS7289: 3,523 GS7290: 3,329 GS7291: 4,275 GS7292: 3,281
Measurement methods, procedures, and how will it be documented	Review the number of people using the borehole according to the household lists for each VPA and multiply by the usage rate to calculate the number of people now using a safe water source.
Monitoring frequency	Annual
QA/QC procedures	N/A
Purpose of data	Calculation of SDG 6
Additional comment	-

Relevant SDG Indicator	SDG 13 (Climate Action)
Data / Parameter	$E_{r,y}$
Unit	tCO ₂ e/y
Description	Total tonnes of CO ₂ equivalent emissions reductions for the current monitoring period.
Source of data	IPCC Defaults, Project survey, Baseline survey, Usage survey, Water consumption field test, Water boiling test, Household list

Value(s) applied	GS5322: 8,822 tCO2e GS5323: 8,822tCO2e GS5324: 8,822tCO2e GS6037: 8,822tCO2e GS6038: 8,822tCO2e GS6783: 8,822 tCO2e GS6784: 8,822 tCO2e GS7287: 7,382 tCO2e GS7288: 8,417 tCO2e GS7289: 8,565 tCO2e GS7290: 9,918 tCO2e GS7291: 8,603 tCO2e GS7292: 9,202 tCO2e
Measurement methods, procedures, and how will it be documented	Calculate the emissions reductions for each VPA using the associated parameters and applying a yearly cap on projects which reduce more than the microscale cap of 10,000 tCO2e/y. Emission reductions will be calculated for each monitoring period and presented in an excel document.
Monitoring frequency	Annually
QA/QC procedures	-
Purpose of data	To quantify the emissions reductions generated by the project compared to the pre-project scenario for SDG 13.
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.

	Method Chosen (include all known details e.g. location of book, phone, number,	Justification
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	identity of mediator)	
Continuous Input / Grievance Expression Process Book	Log books will be held by borehole committees at each borehole. Community members will be informed that they can record their comments in the books. The comments in the books will be collected by Vita and reviewed by CO2balance during their regular monitoring visits.	This will allow community members without access to a telephone or the internet to send comments to the organisations implementing the project. It will also ensure that illiterate community members can leave comments as WPC members will records comments on their behalf.
Telephone access	The following telephone numbers were shared with stakeholders: UK CO2balance Project Manager: +44 1823 332 233 Vita Ethiopia Project Coordinator: +251 46 881 3519 or +251 116 675269	Stakeholders with telephone access may find this the most convenient way to contact the project partners.
Internet/email access	Email addresses for the relevant person at CO2balance and Vita were shared with stakeholders: UK CO2balance Project Manager: ilona.ca@co2balance.com Vita Ethiopia Project Coordinator: sultan.george@vita.ie Gold Standard: helpdesk@goldstandard.org	Stakeholders with internet access may find this the most convenient way to contact the project partners.
Nominated Independent	N/A	

Mediator (optional)		
Other	N/A	

Based on the comments, the project is not going to be altered, but all implementing partners have noted again the need to continue ensuring that boreholes are identified with the input of key stakeholders at the community and government level, and that boreholes are all within a reasonable distance from communities. It was well noted that communities receive comprehensive training to ensure the sustainability of the project.

Overall comments received from stakeholders were constructive and helpful, re-affirming the approach adopted by the project whilst emphasising areas where care must be taken to ensure sustainability.

Local Stakeholder Meeting Evaluation Form	
Name:	Endrias Wage
What is your impression of the meeting?	It is very nice meeting
What do you like about the project?	Everybody focused on construction of water schemes. But they have not given due attention for maintenance. Vita attention is very good
What do you not like about the project?	Nothing, everything is good
Date and Signature	December, 17 th 2018

Local Stakeholder Meeting Evaluation Form	
Name:	Bahiru Tibebeu
What is your impression of the meeting?	It is very good and addressing all stakeholders
What do you like about the project?	I like all particularly working on water maintenance
What do you not like about the project?	Only working on repair and focused on few kebeles
Date and Signature	December, 17 th , 2018

Local Stakeholder Meeting Evaluation Form

Name:	Abebe Ayicha
What is your impression of the meeting?	It is very good since all stakeholders involved
What do you like about the project?	It is very good since working on community benefiting
What do you not like about the project?	Focused only on boreholes
Date and Signature	December, 17 th , 2018

Local Stakeholder Meeting Evaluation Form	
Name:	Markos Balcha
What is your impression of the meeting?	Creating new awareness
What do you like about the project?	Maintenance of water
What do you not like about the project?	Training/workshop is short day/time
Date and Signature	December, 17 th , 2018.

Local Stakeholder Meeting Evaluation Form	
Name:	Tilahun Kibret
What is your impression of the meeting?	The meeting is participatory and possible for participants and good groups work
What do you like about the project?	Strong for water services Participants for project beneficiary area women and minimize women work
What do you not like about the project?	Shortage of running cost
Date and Signature	December, 17 th , 2018.

CONFLICT OF INTEREST DECLARATION

I, Dereje Bekele, aged thirty six years, residing at Addis Ababa, Ethiopia, and working for Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH , which is located at GIZ Office Addis Ababa, 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 “GS 5322-4” 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 GS5322-4 I further certify and declare that in no way do I have a bias in favor or against any person, firm, corporation or business entity involved with GS 5322-4, and I understand 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: Dereje Bekele

Signed this June day of 16 Year 2020