GOLD STANDARD VERIFICATION REPORT

For: CO2 Balance

REPORT NO.: GS3105-08;3560-61VER06-07

Abbreviations used in this Report

CAR	Corrective Action Request
CL	Clarification request
CO2	Carbon dioxide
CO2e	Carbon dioxide equivalent
DR	Document Review
EF	Emission Factor
ER	Emission Reductions
FAR	Forward Action Request
GWP	Global Warming Potential
GS	Gold Standard
GHG	Greenhouse gas(es)
IPCC	Intergovernmental Panel on Climate Change
NC	Non-Conformity
NCV	Net Calorific Value
NGO	Non-governmental Organisation
ODA	Official Development Assistance
PDD	Project Design Document
PD	Project Developer
tCO2e	Tonnes of CO2 equivalents
UNFCCC	United Nations Framework Convention on Climate Change
GS4GG	Gold Standard for the Global Goals
ICS	Improved Cookstove
MWh	MegaWattHour
CH4	Methane
MR	Monitoring Report
N2O	Nitrous Oxide
POA	Programme of Activity
SGP	Safeguarding Principles
SDG	Sustainable Development Goal
SC	SustainCERT
TPDDTEC	Technologies and Practices to Displace Decentralised Thermal Energy Consumption
UN	United Nations
VVB	Validation and Verification Body
VER	Verified Emission Reduction
VPA	Voluntary Project Activity

Table of Contents

1 OBJECTIVE AND CRITERIA

1.1 Objective

Gold Standard projects must undergo independent validation/verification of emission reductions and overall compliance with Gold Standard rules as the basis for issuance of Gold Standard Voluntary Emission Reductions (GS VERs).

The objectives of this verification are to determine if the GHG statement and other reporting information is accurate and conforms with the criteria defined in Gold Standard rules.

This report details the objectives, scope, criteria, methodology and findings of this process and a final opinion.

The Gold Standard requires that the final version of this report is published in the public domain. The client to whom this report is addressed therefore acknowledges that the final version of this report will be published unless SustainCERT (SC) are informed in writing within 1 business day following issuance of the final version to the client.

1.2 SCOPE

GHG related activity	Verification
Project Title (s)	GS1247 VPA 24 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 25 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 26 Improved Kitchen Regimes - Kasungu Boreholes, Malawi GS1247 VPA 27 Improved Kitchen Regimes - Kasungu Boreholes, Malawi GS1247 VPA 36 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 37 Improved Kitchen Regimes - Dowa Boreholes, Malawi
Project ID (s) (i.e.: GS-ID)	GS3105 – VPA 24 GS3106 – VPA 25 GS3107 – VPA 26 GS3108 – VPA 27 GS3560 – VPA 36 GS3561 – VPA 37
GS Project Type	Cookstove
PoA Title (if applicable)	GS1247 Improved Kitchen Regimes Multi-Country PoA
POA ID (if applicable)	GS1247
Responsible Party	Sustain Cert S.A.

The scope of verification covers the emissions reductions project in that is prepared in accordance with the Monitoring Report of the GS ID (s) listed above.

The responsible party is responsible for the preparation and fair presentation of the GHG statement in accordance with the criteria.

Consistent with Gold Standard requirements, only the following GHGs are considered within the scope of the assessment: CO_2 CH_4 N_2O.

2 TEAM COMPOSITION

Validation/Verification Team

Name	Qualification	Coverage of sectoral/technical area	Host country experience	Conducted Site visit / Remote Audit
Ayushi Gupta	TL	☑ (All)	☑	☑
Ha Thanh Hoang	Expert	☑ (All)		

Independent Review team and approver

Name	Role	Coverage of technical area
Shivraj Sharma	**Independent R**	**☑ (All)**
Shivraj Sharma	Approver	N/A

3 PROJECT INFORMATION

3.1 Monitoring Period

Start of Monitoring Period	01/01/2021
End of Monitoring period	31/12/2021
Total Emission Reductions	GS3105: 2,711 GS3106: 3,043 GS3107: 4,390 GS3108: 4,231 GS3160: 2,466 GS3561: 3,193
Total SDG 3 (Number of additional persons consuming safe water)	GS3105: 256 GS3106: 303 GS3107: 448 GS3108: 410 GS3160: 238 GS3561: 334
Total SDG 5	67%

SDG 6 (Number of additional persons having access to safe water)	GS3105: 1,555 GS3106: 1,844 GS3107: 2,726 GS3108: 2,495 GS3160: 1,450 GS3561: 2,034
Date of MR Report	14/02/2023
Version of MR Report	5

3.2 Annual projections

Annual Average Emission Reductions (SDG 13)	NA
Total SDG x	NA
Total SDG y	NA
Total SDG z	NA

4 VERIFICATION/VALIDATION OPINION

Unmodified Opinion	☒
Modified Opinion (see reasons below)	☐
Adverse Opinion (see reasons below)	☐
Disclaimer of Opinion	☐

The project representative to whom this report is addressed is responsible for the preparation and fair presentation of GHG and other reporting information in accordance with Gold Standard rules.

SustainCERT is responsible for expressing this verification opinion on the GHG and other reporting information based on the evidence gathering procedures documented in this report. The GHG verification was planned and carried out in accordance with ISO 14064-3 (Specification with guidance for the verification and validation of greenhouse gas statements) to provide a reasonable level of assurance that the information is accurate.

Reason for Modified Opinion (if applicable)	NA
Reason for Adverse Opinion (if applicable)	NA

Reason for Disclaimer (not issuing) of Opinion (if applicable)	NA

Conclusion:

Considering the following information and the one provided in this report:

GHG-related activity	**Verification**
Project Title (s)	GS1247 VPA 24 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 25 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 26 Improved Kitchen Regimes - Kasungu Boreholes, Malawi GS1247 VPA 27 Improved Kitchen Regimes - Kasungu Boreholes, Malawi GS1247 VPA 36 Improved Kitchen Regimes - Dowa Boreholes, Malawi GS1247 VPA 37 Improved Kitchen Regimes - Dowa Boreholes, Malawi
Responsible Party	Sustain Cert S.A.
Start of Monitoring Period	01/01/2021
End of Monitoring period	31/12/2021
Date of MR Report/PDD	14/02/2023
Version of MR Report/PDD	5

Verification period is equal to the monitoring star and end dates mentioned above.

SustainCERT (SC) concludes that:

Verification

The GHG emission reductions are calculated without material misstatements for the aforementioned monitoring period and has been prepared in accordance with the verification criteria and is a materially correct and fair representation of GHG other reporting information. Our opinion refers to reported project's information on GHG emissions and resulting reductions, which were determined using the valid and certified baseline, monitoring plan and other relevant documents.
Based on the information we have assessed; we can confirm that the implementation of the project resulted in the aforementioned emission reductions during the corresponding monitoring period

Verified GHG emission reductions and removals in the above verification period:

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)
Year 1 (2021)	GS3105: 3315 tCO2e GS3106: 3639 tCO2e GS3107: 5363 tCO2e GS3108: 5209 tCO2e GS3560: 2949 tCO2e GS3561: 3818 tCO2e	GS3105 29 tCO2e GS3106 32 tCO2e GS3107 46 tCO2e GS3108 45 tCO2e GS3560 26 tCO2e GS3561 33 tCO2e		GS3105: 2711 tCO2e GS3106: 3043 tCO2e GS3107: 4390 tCO2e GS3108: 4231 tCO2e GS3560: 2466 tCO2e GS3561: 3193 tCO2e
Total	24,294 tCO2e	210 tCO2e		20,034 tCO2e

The conclusion is reached based on the following criteria:

The criteria for this verification are defined in the following documents stated in the Monitoring Report (MR)

- GS4GG Principles & Requirements
- GS4GG Stakeholder Consultation Requirements & Guidelines
- GS4GG Safeguarding Principles & Requirements
- GS4GG GHG-Emissions-Reduction-Sequestration-Product-Requirements
- Design Certified PDD (s): GS1247 IKR Micro PoA-DD v4, GS1247 IKR Micro PoA-DD CP2 v14

Optional Requirements

- 100-GS4GG-Programme-of-Activity-Requirements – Applied methodology : TPDDTEC v1.0 (CP1), TPDDTEC v3.1. (CP2)

Authorised Signatory Name:	Shivraj Sharma – Director, Validation & Verification
Signature	DocuSigned by: Shivraj Sharma 4E3DA74DBE7A462...
Date of this report approval	20/02/2023
Version of this report	01
Office Location	Luxembourg

The verification / validation of the GHG statement was conducted in accordance with ISO 14064-3 and corresponding GHG scheme.

The responsible party is responsible for the preparation and fair presentation of the GHG statement in accordance with the criteria.

5 METHODOLOGY

5.1 Desk Review

An initial verification documentary review was conducted by SustainCERT involving

- A review of the data and information presented in the MR to verify their completeness.
- A review of the approved monitoring plan and monitoring methodology
- An evaluation of data management and quality control system used in the generation and reporting of data and information

A Protocol was used to assess each requirement during the execution of assessment activities and is explained below. The completed Protocol is available in section 5.5 below.

5.2 Example Protocol

The name/section of the reporting template is indicated in the top row					
Type	**Ref**	**Rule**	**Assessment Question**	**Findings/Comments**	**Conc.**
V or I This indicates the type of assessment. V = validation/verification I = inclusion (a streamlined validation for VPAs)	Details the section and section number in the reporting template (PDD or MR)	Provides a reference to the GS rule	Question used to determine compliance with the rule, or if the rule is applicable	Used to track clarifications or corrective actions raised when the assessment question does not immediately lead to a conclusion.	Conclusion of each assessment question.

Whenever the assessment question does not immediately lead to a conclusion, clarifications (CLs) and corrective action requests (CARs) are issued as Findings/Comments against the relevant Rule and Assessment Question.

If a Findings is closed, it will result in a conclusion of either OK, a Forward Action Request (FAR) or an Observation (OBS). If a Finding cannot be closed and a requirement cannot be shown to be met, an NC (Non-conformity) is issued.

OK, CARs, CLs, FARs, OBS and NC are further explained below:

- OK - issued when a requirement has been met.
- CAR (Corrective Action Request) - issued if one of the following occurs:

  - There is a risk that emission reductions cannot be monitored or calculated
  - Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions
  - Gold Standard requirements have not been shown to be met

- Clarification request (CL) - issued if information is insufficient or not clear enough to determine whether a requirement has been met
- Forward Action Requests (FARs) – issued to highlight issues related to implementation that require review at the next verification
- Observations (OBS) - issued where there may be a possible future non-conformity against a requirement.
- Non-Conformity (NC) – issued if a requirement has not been met and cannot be met.

To demonstrate transparency, all Findings (along with the relevant Rule and Assessment Question) are transferred to a separate Review Feedback table (shown below) to provide a written record of how they are discussed and how the conclusion was reached. A transcript of the Review Feedback is available as Appendix 1, which also includes a list of the Supporting Document (s) provided and Reviewed.

5.3 Example Review Feedback

Rule	Assessment Question	Findings/Comments	Developer Response
Copied from the Protocol	Copied from the Protocol	Copied from the Protocol, the nature (and number – e.g. CAR 1/CAR 2) of the Finding is included for traceability	The response should include an explanation of what evidence has been provided in response to the Finding

5.4 Site Visit

It was determined during our Risk Analysis that a site was not required because we undertook the previous verification and no significant changes have been made to the project since this verification. No site visit was therefore undertaken.

A site visit previously was conducted by an OO during the validation process of the VPAs and also a site visit by OO was conducted in similar project location i.e. Dowa, Malawi in December 2021 having same technology and similar baseline in same overlapping location.
The risk analysis therefore concludes that a site visit is required but also will not reduce the risk of non-detection of material misstatements and hence, a remote audit shall be conducted. In the event that this conclusion changes, the Team Leader should be contacted.

The remote audits were conducted on 25/08/2022 and 05/12/2022.

5.5 ASSESSMENT PROTOCOL

The Protocol covers the key thematic areas in Gold Standard certification and is tailored to the review type and the mandatory reporting template (MR/PDD). The key thematic areas addressed in the Protocol are:

- GHG emission reductions (known as SDG 13 contributions)
- Other SDG contributions
- Compliance with Safeguarding Principles
- Compliance with Stakeholder Consultation (LSC) requirements

Project Design Document / **VPA Design Document** - General/FARs & Key Project Information								
Type				**Ref**	**Rule**	**Assessment Question**	**Findings/Comments**	**Conc.**
V	I	C	D	Gen		Is the report prepared using the most up to date version of GS4GG template at time of submission? (note this checklist is applicable to template versions later than the above version only)	Report is prepared using v1.1 – which is the most up to date version of the GS4GG template	OK
V	I	C	D	Gen	GS RC	**For VPAs only,** VPA INCLUSION VALIDITY OF POA VERSION – If a VPA is submitted for inclusion after the end date of a crediting period of PoA, it must follow the latest (i.e next) version of the PoA available. It may benefit from 2 years retroactive crediting.	• Not applicable – this is confirmed as a standalone project • Not applicable – the VPA (s) was/were submitted for 2-week inclusion review within the current crediting period of the POA	OK
V	I	C	D	FAR	P&R 5.1.10 (b)	Are there any FARs from preliminary review adequately addressed?	• CAR - No FARs were raised in Preliminary Review A total of X FARs were raised in Preliminary Review, all of which have been resolved	OK
V	I	C	D	FAR	P&R 5.1.10 (a)	Were all likely CARs from preliminary review addressed?	• No likely CARs were raised in Preliminary Review A total of X likely CARs were raised in Preliminary Review, all of which have been resolved	OK

Appendix: 1- CLARIFICATION REQUESTS, CORRECTIVE ACTION REQUESTS

Review Feedback Round:	ii
Supporting Document (s) provided and reviewed	Round 1: • *US Sept 2021.xlsx* • *PS Sept 2021.xlsx* • *Malawi P1_P2 WCFT Survey 2020.xlsx* • *GS3105-08, GS3560-1_P1_MR_MP7_MP6.pdf* • *Malawi Phase 1_ER Calcs.xlsx* • *GS1247_VPA 24-27, 36,37_Internal validation_CP2_Final round@13072021.docx* • *Internal_Ver_GS1247__VPA_24,25,26,27,36,37,91-104, 112-116@Final round_22092021.pdf* • *Internal_Ver_GS1247__VPA_24,25,26,27,36,37,91-104, 112-116@Finalround@06092021.docx*
Supporting Document (s) provided and reviewed	• *GS3105-08_GS3560-1_P1_MR_MP7_MP6_v3_CLEAN.pdf* • *Malawi Phase 1_ER Calcs_v2(4).xlsx*

Rule	Assessment Question	Findings/Comments	Developer Response
	Is the report prepared using the most up to date version of GS4GG template at time of submission	CAR#1: KPI: The PP shall fill in the section "Name and GS ID of fully Validated CPA/VPAs (i.e. non compliance check)". Besides, the current MP cover both CP1 and CP2, please clarify why only version 9 of PoA DD is applicable?	Name and GS ID of fully Validated CPA/VPAs has been updated. PoA-DD Versions updated for CP1 and CP2
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	Does/do the GS ID (s) of the project (s) match the SustainCERT App?	CAR#2: KPI: The PP is requested to update the version of registered VPA DDs.	MR has been updated to correct VPA-DD version.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Was an annual report submitted or verification completed within the last 2 calendar years?	CL#1: KPI: the PP is requested to submit the annual report dated 01/09/2021 as mentioned in the MR. Besides, the length and number of monitoring report in section "Duration of this monitoring period" are inconsistent with "Monitoring period number" (MP7, MP6)	Date of last annual report corrected, not submitted as no new annual report has been submitted since previous verification. Length and MP numbers have been corrected in the MR.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Does the version of Methodology (ies) applied match the VPA-DD?	CL#2: KPI: the current MP cover both CP1 and CP2, please clarify why only version 3.1 of TPDDTEC is applicable?	MR has been updated, correct version associated with correct Crediting Period
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	Do the 3 SDG Impacts achieved match E.4	CAR#3: The PP shall provide the summarised SDG impacts for each VPA in Table 1 and Table 2.	SDG impacts have been updated in Table 1 and 2 for each VPA
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Is the vintage break calculated correctly (and has considered microscale projects whose cap on emission reductions must not be crossed either in a vintage **or** in a monitoring year.	CAR#4: Amount of VERs in Table 2 is inconsistent with Table 1.	Updated VERs in both tables
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Does the project information correlate with the VPA-DD? (Small differences in numbers are ok, a perfect match is not required)?	CL#3: Section A.1: The PP is requested to report the update status of CP2 renewal.	Status updated in MR, revalidation completed 31/08/2021
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Does the project location match the VPA-DD?	CAR#5: Section A.2: As in section A.1, the VPAs also located in Kasungsu district but not only Dowa.	MR and Map have been updated to Include Kasungu District.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	Does the methodology/tools/mandatory GS guidelines etc. all match the VPA-DD, OR the entry into force date?	CAR#6: Section A.3: The applicable methodology versions are not correctly referred as the MP is under both CP1 and CP2.	MR has been updated to include reference to the correct methodologies.

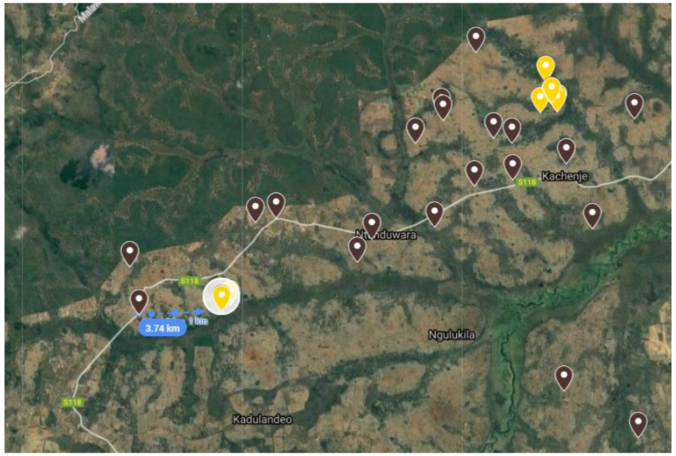
Rule	Assessment Question	Findings/Comments	Developer Response
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Does the crediting period match the VPA-DD?	CL#4: Section A.4: the PP is requested to update the CP period for GS3105 and GS3108.	MR has been updated.
	Rd 2	**The comment/request is closed.**	

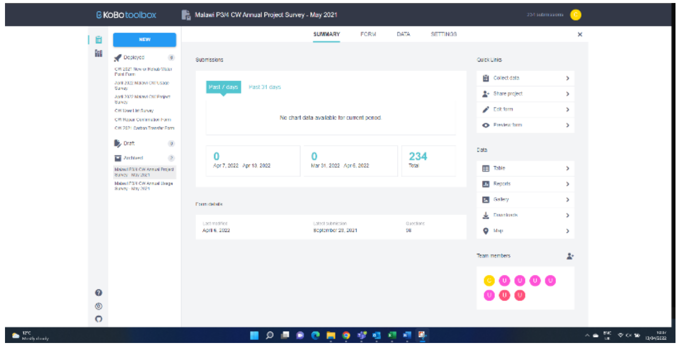
Rule	Assessment Question	Findings/Comments	Developer Response
	Are any forward actions declared correctly and addressed?	CL#5: Section B.1.1: The following FARs were not addressed in the MR: ○ Forward Action Request # 1: The PP shall demonstrate the compliance to the required conditions in the Annex 3 of the methodology "Application of the methodology to safe water supply project". E.g. The water in its improved form should be available within 1 km walking / pedalling distance from the households ○ Forward Action Request # 2: PD should note that GS-TAC has determined parameter caps during an ongoing grievance as follows: Firewood consumption to boil 1 litre of water for 10 minutes will be capped at 0.400 kg for three stone firewood baseline stove scenarios. For other baseline fuels, projects will be assessed on case-by-case basis. AND For borehole projects, the number of users per borehole will be capped based on specifications	FARs added to table in MR section B.1.1 • Household lists were analysed and only users within 1km of the borehole were considered as part of the ER calculations • A cap of 0.4kg/l (0.0004 t/l) has been applied to all ER calculations, as well as a cap of 300 users per borehole • MR has been updated to include requested data

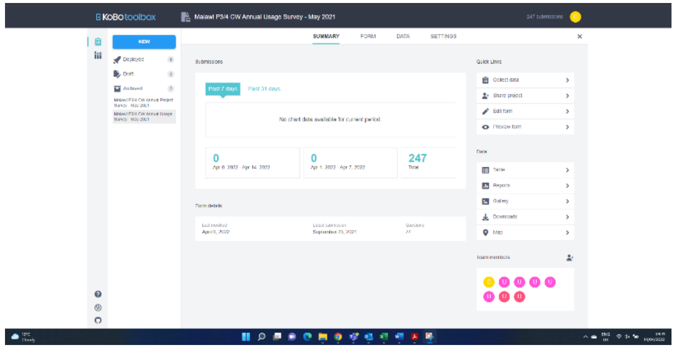
Rule	Assessment Question	Findings/Comments	Developer Response
		from the borehole technology supplier/manufacturer. Depending on the outcomes of the grievance process, there is a potential for corrective measure, including but not limited to GS rule update and possible remedies for existing GS projects. Please see the grievance ToRs for more detail on how remedies may be proposed and applied. ○ Forward Action Request # 3: For the next verification, PD shall provide full transparency on maintenance programme roles and responsibilities. This should include: the process of recording and reporting all faults/breakdowns and when a technology starts working again. It should also include a summary of all planned annual maintenance tasks and the downtime expected for these tasks. Monitoring reports must have % total borehole downtime (and days) recorded transparently in Project Technology Days parameter box. Not claim a whole day crediting on the day when a technology is repaired (some downtime is expected that day).	
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	Does the monitoring system and the monitoring plan match the Design Certified VPA-DD?	CL#6: Section C: • Usage survey: The PP is requested to clarify why many of the interviewed people could be	The survey does not necessarily take place at the individuals dwelling, sometimes it may take place at work, whilst farming, or during other times individuals

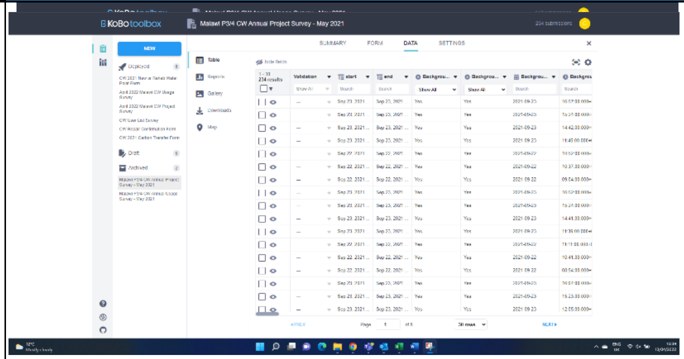
<table>
<tr><th>Rule</th><th>Assessment Question</th><th>Findings/Comments</th><th>Developer Response</th></tr>
<tr><td></td><td></td><td>considered as users to the project technology while their distance to the nearest borehole is more than 3 km as below:


- The PP is requested to submit the example screenshots from the web application of the monitoring survey records as well as the Dashboard overview of all the surveys.</td><td>are not at home. An amendment has been made to the survey and the survey location will be included in the next PS and US.

Example screenshots below




Total number of surveys is higher than the 120 sampled households as it includes surveys from phase 3&4. This is due to the survey method transitioning to Kobo.</td></tr>
</table>

Rule	Assessment Question	Findings/Comments	Developer Response
			
	Rd 2	**The comment/request is closed.**	

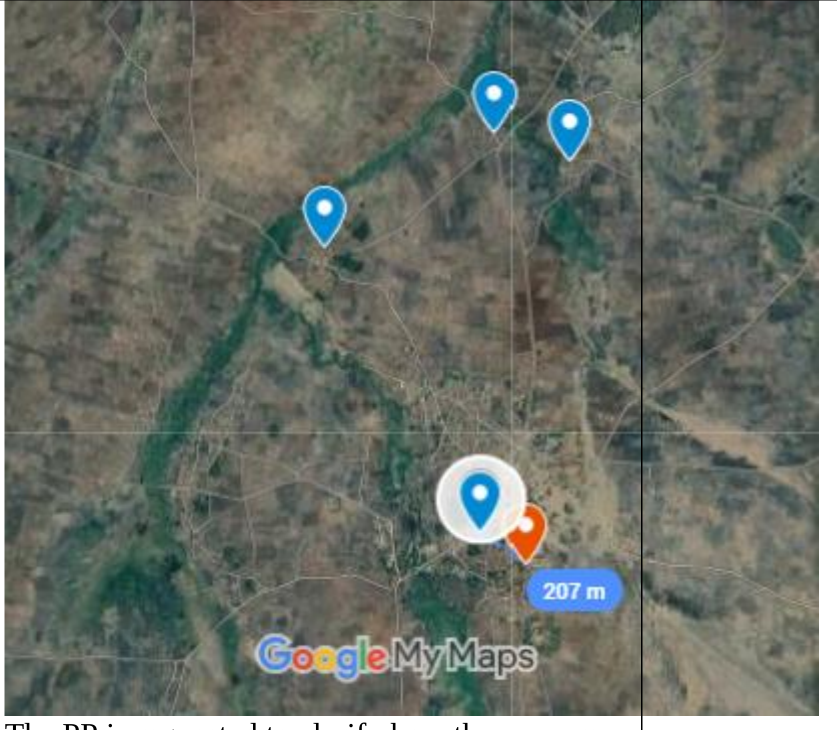
Rule	Assessment Question	Findings/Comments	Developer Response
	For SDG 13, do the fixed ex ante values match the Design Certified VPA-DD	CAR#7: Section D.1: The name of Fixed ex ante parameters are not exactly match the Design Certified VPA-DD. E.g., EFfuel vs. EFb,CO2, etc. Besides, the value of parameter Xboil does not match the Design Certified VPA-DD (2%).	Parameter names updated in MR to match with PDD. Xboil value in MR matches result from Revalidated baseline survey. Besides a value of 0.0177 (1.7%) is more conservative than 0.02 (2%) and the value reported in the VPA-DD may be due to rounding.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	For other SDGs, do the fixed ex ante values match the Design Certified VPA-DD	CAR#8: Section D.1: The value for parameter Tb,y does not match the Design Certified VPA-DD	Tb,y value in MR matches result from Revalidated baseline survey. Besides a value of 0.0177 (1.7%) is more conservative than 0.02 (2%) and the value reported in the VPA-DD may be due to rounding.
	Rd 2	**The comment/request is open.** PD shall correct the description.	MR Updated.

Rule	Assessment Question	Findings/Comments	Developer Response
		The comment/request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
RU	All vintages post 01/01/2021* must use AR5 Global Warming Potentials to calculate emission reductions and removals. AR4 to AR5 GWP summary: CH4 - 25 to 28 N2O - 298 to 265 All vintages pre 31/12/2020 must use AR4.	CAR#9: All vintages post 01/01/2021 in the ER spreadsheet shall use the correct GWPs for CH4/N2O, which are 28 and 265 respectively as per IPCC AR5.	Updated EFb, fuel, non-co2 value to align with IPCC AR5 GWP values (9.46).
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	For SDG 13, has verifiable supporting evidence for each high-risk monitoring parameter been provided?	CL#7: Section D.2: a. The PP is requested to submit the evidence of monitoring records for the “number of people using each borehole in the project”. b. The PP shall also clarify how this parameter Np,y was monitored with the boreholes which are closed to each other. The distance measures from PoA boreholes in the region (including phase 3 and phase 4 VPAs) were conducted, it is noticed that some boreholes are very closed to each other with less than 2 km distance as example below.	a. Full User List (All Phases) has been submitted including a summary tab which derived information regarding user numbers (<1km from BH) for Phases 1&2. See ‘Malawi UL_P1_2_MP7_6_5 (CONFIDENTIAL).xlsx’. b. User list were analysed and any duplicated households, or where data was incomplete/collection lead to potential spelling errors, a conservative assessment of duplicates were removed so they were only applicable to the closest borehole. c. WQT results have been submitted

Rule	Assessment Question	Findings/Comments	Developer Response
		 The PP is requested to clarify how they ensure that the households surrounding these boreholes are not double counted. c. The PP is requested to submit the WQT results.	
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	For Other SDGs, has supporting evidence been provided?	CL#8: Please clarify why the US and PS were conducted with the same set of people, however, in gender of respondents are different from the 2 surveys.	The survey was conducted on the same set of households, however the individual surveyed may change depending on time limitation.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	For any parameters that were sampled, has the following been demonstrated: (a) Description of implemented sampling design; (b) Collected data; (c) Analysis of the collected data; (d) Demonstration that the required confidence/precision level has been met; Demonstrate that the samples were randomly selected and are representative of the population	CL#9: Section D.4: • Page 26: sample frame for phase 1 was 61 boreholes and phase 2 was 190 boreholes however the PP stated: "15 boreholes randomly selected, out of a total of <u>249</u> boreholes". Please clarify. • The PP shall describe in detail the actual sampling process for this monitoring period, including: the location (zones, villages) of all monitoring surveys, how the random selection of villages and households were conducted. Please provide sampling protocol, screenshots of random number generation if related.	PS and US Random Sample process has been submitted. See 'Malawi P1&2 Random Sample 2021 process v2.xlsx' and description of the sampling process has been corrected and updated in the MR. Please not that Phase 1 (GS3105-8, GS3560-1) and Phase 2 (GS5329-32, GS5335-44, GS5437-41) are considered homogenous and so the sample covers both Phases.
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	For SDG 13, Is the baseline calculated correctly to match	CAR#10: Section E.1: The mentioned document "Malawi P1&2 ER Cals CAPPED" has not been	MR has been updated, reference to "Malawi P1&2 ER Cals CAPPED" changed to "Malawi Phase 1_ER Calcs"

Rule	Assessment Question	Findings/Comments	Developer Response
	the VPA-DD? (some methodology equations calculate a net benefit without elaborating a separate baseline and project situation, this should be marked clearly where this is the case).	submitted. The PP shall check the calculated values and reference sources for SDG calculations.	
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	For Other SDGs, Is the project scenario calculated correctly to match the VPA-DD?	CAR#11: Section E.2: The PP shall check the calculated values and reference sources for SDG calculations.	Updated SDG calcs in MR to match values in ER calcs
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
	For SDG 13, Is the net benefit calculated correctly as per the VPA-DD?	CAR#12: Section E.4: The total and net benefit calculations are inconsistent with the submitted ER spreadsheet.	Updated Net Benefit ERs with updated values in ER calcs
	Rd 2	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Has a like for like comparison of ex ante (estimated) and achieved SDG Impacts been provided?	CL#10: Section E.5: According to the Transition Annex, the saved time is calculated in absolute term (0.5 hours) but the PP report in relative term (67%) in the MR. Please clarify.	Will respond to this CL in the next round.

Rule	Assessment Question	Findings/Comments	Developer Response
		A comparison of ex ante (estimated) and achieved SDG Impacts has been provided in the monitoring report. However, the original and capped values have not been reported as required by the MR template.	
	Rd 2	**The comment/request is open.**	Ex-ante Value already reported in relative Terms. PD expects this CAR is directed at the Phase 2 VPAs GS5329-32, GS5335-44, GS5437-41. Please see relevant Verification Findings for Response.
	Rd 3	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Has the explanation of any different assumptions been clearly stated?	CAR#13: Section E.5.1: the PP has not completed this section.	
	Rd 2	**The comment/request is open.**	Section E.5.1 has already been completed, PD expects this CAR is directed at the Phase 2 VPAs GS5329-32, GS5335-44, GS5437-41. Please see relevant Verification Findings for Response.
	Rd 3	**The comment/request is closed.**	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R	Are all comments from the CIGM reported?	CL#11: Section G.1: The PP is requested to provide the photos of all grievance expression process books placed at all boreholes	Such Photos are not available, reviewer is welcome to add a FAR, internal processes have since been updated to include the collection of these photos.
	Rd 2	**The comment/request is open.**	A sample of photos have been uploaded, please see folder 'Phase 1 Logbook Photos' in attachment

Rule	Assessment Question	Findings/Comments	Developer Response
			‘Logbook Photos.zip’ for evidence and comment above for further information.
	Rd 3	**The comment/request is closed.**	

Appendix: 2 - FORWARD ACTION REQUESTS

NA