

GOLD STANDARD VERIFICATION REPORT

For: CO2balance UK Ltd

REPORT NO.:

VPA-122-GS5951-MP5

VPA-123-GS5952-MP5

VPA-124-GS5953-MP5

VPA-125-GS5954-MP5

VPA-126-GS5955-MP5

VPA-129-GS6041-MP3

VPA-130-GS6042-MP3



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Abbreviations used in this Report

CAR	Corrective Action Request
CL	Clarification request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DNA	Designated National Authority
DR	Document Review
EF	Emission Factor
ERPA	Emission Reduction Purchase Agreement
ER	Emission Reductions
FAR	Forward Action Request
GWP	Global Warming Potential
GS	Gold Standard
GHG	Greenhouse gas(es)
IPCC	Intergovernmental Panel on Climate Change
kWh	Kilo Watt Hour
MW	Mega Watt
NC	Non-Conformity
NGO	Non-governmental Organisation
ODA	Official Development Assistance
PDD	Project Design Document
PD	Project Developer
tCO ₂ e	Tonnes of CO ₂ equivalents
UNFCCC	United Nations Framework Convention on Climate Change
GS4GG	Gold Standard for the Global Goals
ICS	Improved Cookstove
MR	Monitoring Report
N ₂ O	Nitrous Oxide
POA	Programme of Activity
SGP	Safeguarding Principles
SDG	Sustainable Development Goal
SC	SustainCERT
UN	United Nations
VVB	Validation and Verification Body
VER	Verified Emission Reduction
VPA	Voluntary Project Activity

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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 122 Zoba Anseba Community Safe Water (GS5951) GS1247 VPA 123 Zoba Anseba Community Safe Water (GS5952) GS1247 VPA 124 Zoba Anseba Community Safe Water (GS5953) GS1247 VPA 125 Zoba Anseba Community Safe Water (GS5954) GS1247 VPA 126 Zoba Anseba Community Safe Water (GS5955) GS1247 VPA 129 Zoba Anseba Community Safe Water (GS6041) GS1247 VPA 130 Zoba Anseba Community Safe Water (GS6042)
Project ID (s) (i.e.: GS-ID)	VPA 122 – GS 5951 VPA 123 – GS 5952 VPA 124 – GS 5953 VPA 125 – GS 5954 VPA 126 – GS 5955 VPA 129 - GS 6041 VPA 130 – GS 6042
GS Project Type	Borehole – Safe Water Supply
PoA Title (if applicable)	Improved Kitchen Regimes Multi-Country PoA
POA ID (if applicable)	GS1247
Responsible Party	CO2balance UK Ltd

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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.

Consistent with Gold Standard requirements, only the following GHGs are considered within the scope of the assessment: CO₂ CH₄ N₂O.

2 TEAM COMPOSITION

Validation/Verification Team

Name	Qualification	Coverage of sectoral/technical area	Host country experience	Conducted Site visit / Remote Audit
Indrapal Parmar	TL	☒ (All)	☒	☒
Sandeep Kanda	Expert	☒ (Energy)	-	-

Independent Review team and approver

Name	Role	Coverage of technical area
Nayan Jyoti Deka	Independent R	☒ (All)
Shivraj Sharma	Approver	-

3 PROJECT INFORMATION

3.1 Monitoring Period

Start of Monitoring Period	01/12/2021
End of Monitoring period	30/11/2022
Total Emission Reductions (Total SDG 13)	GS5951: 4,260 GS5952: 3,404 GS5953: 3,181 GS5954: 3,206 GS5955: 2,856 GS6041: 6,127 GS6042: 5,467
Total SDG 3	95%
Total SDG 5	0.61
Total SDG 6	GS 5951: 2,402 GS 5952: 1,920

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	GS 5953: 1,793
	GS 5954: 1,808
	GS 5955: 1,610
	GS 6041: 3,452
	GS 6042: 3,082
Date of MR Report	07/07/2023
Version of MR Report	2.0

Vintage-wise break-up of emission reductions for monitoring period:

Project GS ID	GS5951
Product Totals	4,260
Vintage Break-up	-
01/12/2021 – 31/12/2021	361
01/01/2022 – 30/11/2022	3,899

Project GS ID	GS5952
Product Totals	3,404
Vintage Break-up	-
01/12/2021 – 31/12/2021	287
01/01/2022 – 30/11/2022	3,117

Project GS ID	GS5953
Product Totals	3,181
Vintage Break-up	-
01/12/2021 – 31/12/2021	269
01/01/2022 – 30/11/2022	2,912

Project GS ID	GS5954
Product Totals	3,206
Vintage Break-up	-
01/12/2021 – 31/12/2021	270
01/01/2022 – 30/11/2022	2,936

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Project GS ID	GS5955
Product Totals	2,856
Vintage Break-up	-
01/12/2021 – 31/12/2021	241
01/01/2022 – 30/11/2022	2,615

Project GS ID	GS6041
Product Totals	6,127
Vintage Break-up	-
01/12/2021 – 31/12/2021	519
01/01/2022 – 30/11/2022	5,608

Project GS ID	GS6042
Product Totals	5,467
Vintage Break-up	-
01/12/2021 – 31/12/2021	462
01/01/2022 – 30/11/2022	5,005

3.2 Annual projections

Annual Average Emission Reductions (SDG 13)	N/A because it's an internal verification
Total SDG x	N/A because it's an internal verification
Total SDG y	N/A because it's an internal verification
Total SDG z	N/A because it's an internal verification

4 VERIFICATION/VALIDATION OPINION

Unmodified Opinion	☒
Modified Opinion (see reasons below)	☐ N/A
Adverse Opinion (see reasons below)	☐ N/A

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**Disclaimer of Opinion**☐ N/A

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)	N/A
Reason for Adverse Opinion (if applicable)	N/A
Reason for Disclaimer (not issuing) of Opinion (if applicable)	N/A

Conclusion:

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

GHG-related activity	Verification
Project Title (s)	GS1247 VPA 122 Zoba Anseba Community Safe Water (GS5951) GS1247 VPA 123 Zoba Anseba Community Safe Water (GS5952) GS1247 VPA 124 Zoba Anseba Community Safe Water (GS5953) GS1247 VPA 125 Zoba Anseba Community Safe Water (GS5954) GS1247 VPA 126 Zoba Anseba Community Safe Water (GS5955) GS1247 VPA 129 Zoba Anseba Community Safe Water (GS6041) GS1247 VPA 130 Zoba Anseba Community Safe Water (GS6042)
Responsible Party	CO2balance UK Ltd
Start of Monitoring Period	01/12/2021
End of Monitoring period	30/11/2022
Date of MR Report	07/07/2023
Version of MR Report	2.0

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

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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

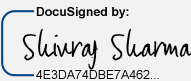
The conclusion is reached based on the following criteria:

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 VPA-DDs

Optional Requirements:

- 100-GS4GG-Programme-of-Activity-Requirements-
- Applied methodology Gold Standard methodology "Technologies and Practices to Displace Decentralized Thermal Energy Consumption, TPDDTEC Version 1".

Authorised Signatory Name:	Shivraj Sharma, Director – Validation & Verification
Signature	DocuSigned by:  4E3DA74DBE7A462...
Date of this report approval	28/07/2023
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.

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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

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- 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

A site visit is chosen based on risk assessment.

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. Also, previous Objective Observer (OO) onsite visit was conducted on 11-12-April-2022. So, next OO onsite shall be planned before next due date i.e., 10-April-2025.

The remote document review was carried out on 29-06-2023.

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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

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Appendix: 1- CLARIFICATION REQUESTS, CORRECTIVE ACTION REQUESTS

Review Feedback

Feedback

Review Feedback Round:	i
Supporting Document (s) provided and Reviewed	1) Gold Standard Monitoring Report (GS5951-55_GS6041-42_MR_MP5-MP3_v1.pdf) 2) Emission Reduction Calculation Excel File (GS5951-55 6041-42_ERs_calcs_v1.xlsx) 3) Kitchen Surveys & Kitchen Performance Test results (Project Survey_Anseba_BHs_22_Final.xlsx) 4) ZA AM - PS 22 Checked.pdf 5) ZA AM - US 22 Checked.pdf 6) Log Comments Original Anseba.pdf 7) RCFs MP5 MP3_Checked.pdf 8) RS_AM_2022.xlsx 9) Sales_Record_Confidential_2023_v1.xlsx 10) WCFT checked.pdf 11) WQT Anseba 2022_Checked.pdf 12) Log comments Traslated Anseba.pdf 13) Usage Survey_Anseba_BHs_22_Final.xlsx 14) WCFT_Anseba_BHs_22_V3.xlsx 15) Anseba AM training of team members 22.pdf

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Review Feedback Round:	II
Supporting Document (s) provided and Reviewed	1) Final-Verification-Findings-Report-GS5951-55-MP5-GS6041-42-MP3 (1) 2) GS5951-55_GS6041-42_MR_MP5-MP3_v2_TRACK 3) GS5951-55_GS6041-42_MR_MP5-MP3_v2_CLEAN 4) GS5951-55 6041-42_ERs_calcs_v2 5) Original_User_List_Asmat_ZA033_Confidential 6) WCFT_Anseba_BHs_22_Final 7) Annual_Monitoring_Photos_Confidential 8) Asmat_Original_Users_Confidential 9) Usage Survey Email confirmation from SC_Confidential 10) Water quality Standards - Eritrea 2004

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Is the report prepared using the most up to date version of GS4GG template at time of submission.	Report is prepared using v1.1 – which is the most up to date version of the GS4GG template, however, the errors on the first page shall be corrected. Key Project Information <u>Error! Reference source not found.</u> - Description of project <u>Error! Reference source not found.</u> - Implementation of project <u>Error! Reference source not found.</u> - Description of monitoring system applied by the project <u>Error! Reference source not found.</u> - Data and parameters <u>Error! Reference source not found.</u> - Calculation of SDG Impacts <u>Error! Reference source not found.</u> - Safeguards Reporting <u>Error! Reference source not found.</u> - Stakeholder inputs and legal disputes	PD has corrected the errors.
	Round-2	Comment/Request is closed.	

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Rule	Assessment Question	Findings/Comments	Developer Response
	Does the responsible party own or have the right to claim emission reductions or removal enhancements expressed in the GHG statement?	PD shall confirm there is no change in ownership and if CO2balance still have the right to claim emission reductions or removal enhancements during the current monitoring period duration.	PD confirms that there is no change in ownership. The crediting period has as duration of 7 years and it is still in the first crediting period of the project.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Extent of the project's implementation. Is the installation of technology, equipment and measurement equipment in line with Project Design?	Project Developer shall provide its confirmation statement if the installation of technology, equipment and measurement equipment in line with Project Design	PD has added a confirmation statement in section B.1, confirming that the implementation of the project is in line with the PDD. PD confirms there is no change, and the number of boreholes remains the same. PD also confirms all the boreholes are functional.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R 4.1.45	Does the version of Methodology (ies) applied match the PDD/VPA-dd?	KPI Section: The version of the methodology was checked, and it matches the PDD/VPAdd. However, PD shall include the title of the GS methodology.	The title 'Technologies and Practices to Displace Decentralized Thermal Energy Consumption v.1', has been added to the MR.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Do the 3 SDG Impacts achieved match E.4	The summarised SDG impacts in table-1 are included in section E.4 of the monitoring report. However, SDG 5 net benefit description is not clear in section E.4 while comparing it with the table.	PD has updated table-1 and section E.4 for SDG 5 net benefit description.

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Rule	Assessment Question	Findings/Comments	Developer Response
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R 4.1.19 (c)	Does the project information correlate with the PDD/VPA-dd? (small differences in numbers are ok, a perfect match is not required)?	Section A.1: As per information given in this section, PD shall clarify about the significant difference in the number of people as against the cap for the instances in 6041 and 6042 and in particular for borehole IDs ZA016, ZA044, ZA047, ZA064, ZA057, ZA058, ZA061, ZA060. Further, are the cited number of users located within a 1 km radius. PD shall submit the supporting evidence for the same.	Those are the number of people in the HH lists that the BH serves. However, PD has applied the cap of 300 people in line with the GS BAMG report. This is also reported in section A.1 of the MR. As can be seen in 'Sales_Record_Confidential_2023_v1' no users are further than 1km. The user lists are obtained through the local administration. See pdf 'Asmat_Original_Users_Confidential'. This is transferred to an excel file by the partner. See 'Original_User_List_Asmat_ZA033_Confidential'. PD then quality checks the data by removing any households with a distance greater than 1km and any duplicates.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
P&R 3.1.1 (c)	Does the project location match the PDD/VPA-dd?	Section A.2: This section of the MR includes different maps with no titles, PD shall include the title of the maps included in this section.	PD has updated Section A.2 to include titles of the maps.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Provide information on the implementation and actual operation of the project including relevant dates (e.g., construction, commissioning, start of operation). If the project activity consists	Section B.1: 1) PD shall include the technical specification of the borehole model i.e., Mark-II installed in the project.	PD has updated Section B.1 as follows: 1) PD has included technical specification of the borehole model.

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Rule	Assessment Question	Findings/Comments	Developer Response
	of more than one site, describe the status of implementation and start date of operation for each site. If the project activity is implemented in phases, indicate the progress of the project activity achieved in each phase. Clearly state if there have been any changes from the project design that was envisaged at Design Certified PDD (for example technology types/specifications). If applicable, declare information on any post-Design Certification changes to the project activity in B.2.	2) PD shall provide the summary table of the maintenance and/or breakdown details for the borehole when the system was not operational during the current monitoring period. 3) PD shall provide confirmation statement if any of the borehole model is fully operational as per design to ensure the water demand is catered to the intended end users.	2) PD has included a summary table of the maintenance and breakdown details for when boreholes were non-operational. 3) PD has included a confirmation statement that all boreholes are fully operational as per design to ensure water demand is met for end users.
	Round-2	1) Comment/Request is closed. 2) Comment/Request is closed. 3) Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Are any forward actions declared correctly and addressed?	Section B.1.1: FAR1: The duplication check for user lists for boreholes and its outcome shall be demonstrated by the PD in the next verification. PD shall submit the evidence where this requirement is checked and complied during the current monitoring period. FAR2: PD shall submit the evidence regarding grievance received for this and next monitoring period during the next verification. OK. Evidence is uploaded.	A duplication check was run using conditional formatting for each of the villages and duplicates were removed. The duplicates were removed before putting together the final household list. Therefore, there are no duplicates in 'Sales_Record_Confidential_2023_v1'. The user lists are obtained through the local administration. See pdf 'Asmat_Original_Users_Confidential'. This is transferred to an excel file by the partner. See 'Original_User_List_Asmat_ZA033_Confidential'. PD then quality checks the data by removing any households with a distance greater than 1km and any duplicates. See the screenshot below showing an example of the duplicate check process for borehole ZA033, village Asmat, VPA 123, GS5952. Those that were highlighted red and appeared to have a duplicate were removed. The original household list for ZA033 can be seen in Excel file

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Rule	Assessment Question	Findings/Comments	Developer Response																				
			'Original_User_List_Asmat_ZA033_Confidential' with the duplicates highlighted in red. This can be compared to the final list for borehole ZA033 in 'Sales_Record_Confidential_2023_v1' sheet 'VPA 123 HH List', where the duplicates, and those households at a distance greater than 1km, have been removed. Sub zoba:Asmat Latitude: 16.15725 Longitude: 038.07292 <table border="1"> <thead> <tr> <th>Survey ID</th><th>T/A</th><th>Village</th><th>Name of Household Head</th></tr> </thead> <tbody> <tr> <td>AS001</td><td></td><td>Asmat</td><td>Ibrahim Mehammed</td></tr> <tr> <td>AS002</td><td></td><td>Asmat</td><td>Salih Mehammed Ali</td></tr> <tr> <td>AS003</td><td></td><td>Asmat</td><td>Amina Mehammed</td></tr> <tr> <td>AS004</td><td></td><td>Asmat</td><td>Idris Mehammed</td></tr> </tbody> </table> Duplicate Values ? X Format cells that contain: Duplicate values with Light Red Fill with Dark Red Text	Survey ID	T/A	Village	Name of Household Head	AS001		Asmat	Ibrahim Mehammed	AS002		Asmat	Salih Mehammed Ali	AS003		Asmat	Amina Mehammed	AS004		Asmat	Idris Mehammed
Survey ID	T/A	Village	Name of Household Head																				
AS001		Asmat	Ibrahim Mehammed																				
AS002		Asmat	Salih Mehammed Ali																				
AS003		Asmat	Amina Mehammed																				
AS004		Asmat	Idris Mehammed																				
	Round-2	Comment/Request is closed.																					

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	Does the monitoring system and the monitoring plan match the Design Certified PDD/VPA-dd?	Section C: As stated under section C of the MR PD shall include the Eritrean standards for potable water for all parameters.	PD has updated Section C of the MR. The parameters used to assess the water quality are tested in line with Eritrea Health Bureau Standards for potable water. The Eritrean standards are based on the WHO standards. Please see pdf 'Water quality Standards - Eritrea 2004'. The lab tests are run by the official water resource department, and they have approved the results of the test. See 'WQT Anseba 2022_Checked'.
	Round-2	Comment/Request is closed.	

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Rule	Assessment Question	Findings/Comments	Developer Response
	Has any change from prior periods that make the periods incomparable occurred? If so, have been these changes properly disclosed by the responsible party?	Section C: PD shall check MR if proper disclosure of changes from prior periods that make the periods incomparable occurred has been reported.	PD confirms there have been no changes from prior periods that make the periods incomparable.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
GS Meth	For SDG 13, do the fixed ex ante values match the Design Certified PDD/VPA-dd	Section D.1: 1) Section D.1 of the monitoring report indicates that 'for fNRB the value used is 0.97 and provides reference to 'CDM Default stated in following document: https://cdm.unfccc.int/Panels/ssc_wg/meetings/037/ssc_37_an14.pdf '. However, the link is outdated and does not provide the value for Eritrea. Please clarify. 2) Section D.1 and excel sheet: PD shall ensure the ex-ante values and source of the these values shall be linked as per reg. VPA-DD. E.g., Wb,y is marked as default value however, the source if not clear.	1) The fNRB value 0.97 will be used until the end of CP1. This is the value that has been validated to be used for CP1. A new value will be used for CP2. The link in Section D.1 has been changed to the following: https://cdm.unfccc.int/Panels/ssc_wg/meetings/035/ssc_035_an20.pdf 2) PD has updated Section D.1 and Excel sheet. See 'GS5951-55 6041-42_ERs_calcs_v2'.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
Meth	For SDG 13, do the monitored parameter boxes match the Design Certified PDD/VPA-dd	Section D.2: 1) Monitored parameters have been checked and match the Design Certified PDD/VPA-dd, however, please clarify and correct the basis	1) The down days are discounted from crediting. If the percentage of non-functional days is less than 5%, then the 95% cap is applied for

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Rule	Assessment Question	Findings/Comments	Developer Response
		of the computation of 'Project Technology Days' noting that factor of 95% should be applied after discounting the down days. 2) Section D.2: PD shall ensure source of the data for the monitored parameters shall be correctly linked as per actual evidence submitted/uploaded in SC Platform. While doing so, PD shall also update the calculation method and applicable QA/QC measures followed onsite by field team and/or local administration to ensure data/values are correctly reported. E.g., for $N_{p,y}$, source of the data is not traceable and also the QA/QC section is marked as not applicable. Also, for monitoring parameter $P_{p,y}$ again the "Household List" is not evident.	conservativeness. If it is above 5% then the non-functionality percentage will be used. 95% cap on $U_{p,y}$ is a self-imposed cap to ensure conservativeness. (PP has uploaded "Usage Survey Email confirmation from SC" for your reference) 2) PD has updated Section D.2
	Round-2	1) Comment/Request is closed. 2) Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
Meth	For SDG 13, has <u>verifiable</u> supporting evidence for each <u>high-risk</u> monitoring parameter been provided?	Section D.2: The file 'WQT Anseba 2022_Checked' presenting the EC, TDS, pH etc. Please submit the national standard for potable water as specified by the Water Resource Department from the Ministry of Land, Water & Environment	PD has uploaded pdf 'Water quality Standards - Eritrea 2004' which has the national standard for potable water as specified by the Water Resource Department from the Ministry of Land, Water & Environment. The parameters used to assess the water quality are tested in line with Eritrea Health Bureau Standards for potable water. The Eritrean standards are based on the WHO standards. The lab tests are run by the official water resource department, and they have approved the results of the test. See 'WQT Anseba 2022_Checked'.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	For $>2^{nd}$ MP of Community Service Activities only, have any increases in <u>key</u> parameters ideally in tabular form (e.g. usage, fuel savings) been justified?	Section D.3: An increase in key parameters (e.g., usage/fuel savings/water consumption) have been reported. However, PD shall check if this increase/decrease is no more than around 10%. If yes, it shall be adequately justified by the project developer. Therefore, PD	$N_{p,y}$, for GS5953 has a decrease of 11.3%. As the value has decreased, not increased it is more conservative. $T_{p,y}$, the time to collect fuel, has increased by 70% and $TR_{p,y}$, The time reduction in comparison to the baseline decreased by 53% since the

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Rule	Assessment Question	Findings/Comments	Developer Response
	(noting that numbers of distributed technologies commonly differ from projections in the PDD/VPA-DD and this is beyond PD control)	shall provide a short explanation for any values that have increased/ or are less conservative.	previous monitoring period, however, time has still be saved compared to the baseline. P _{access} , all below 10% change. P _y , for GS5953 has a decrease of 11.3%. As the value has decreased, not increased it is more conservative.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
MR Guide	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; Demonstration that the samples were randomly selected and are representative of the population	Section D.4: PD shall clearly include reference (s) of the spreadsheets used (including sheet names as necessary), the aim is to direct your assurance providers to the information as quickly as possible, which will result in a quicker review process. Parameters shall explain as to how the monitoring parameters sampled and met the confidence/precision level of the methodology.	PD has referenced the following spreadsheets in Section D.4 of the MR. WCFT_Anseba_BHs_22_Final (Borehole H2O Results Sheet) (A new WCFT excel was uploaded in Round 1) Usage Survey_Anseba_BHs_22_Final Project Survey_Anseba_BHs_22_Final As per methodology 'The minimum total sample size is 100, with at least 30 samples for project technologies of each age being credited.' PD is in line with this requirement. In fact, 120 people were interviewed and for each age group a minimum of 30 households were selected. See Excel file 'RS_AM_2022' for the process. Using the CDM tool for the proportion, PD is in line with the sample size requirements, and is well above the 15 predicted sample size, as can be seen in the screen shot below.

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Rule	Assessment Question	Findings/Comments	Developer Response																					
			Sample Size Determination for a Proportion Parameter Survey design: Simple random sampling Calculation method: Precision via confidence interval confidence/precision criterion 90/10 Instruction for using this calculator Input information in cells coloured in orange Outputs are displayed in cells coloured in green <table><thead><tr><th>Input</th><th>Value</th><th>Notes</th></tr></thead><tbody><tr><td>Expected proportion, p</td><td>0.95</td><td>enter on a decimal scale</td></tr><tr><td>Confidence level</td><td>90%</td><td>e.g. for 90% enter 90</td></tr><tr><td>z multiplier</td><td>1.645</td><td>determined by confidence level</td></tr><tr><td>Relative precision</td><td>10%</td><td>e.g. for 10% enter 10</td></tr><tr><td>Population size, N</td><td>32,486</td><td></td></tr><tr><td>Predicted sample size, n</td><td>15</td><td>rounded up to nearest integer</td></tr></tbody></table>	Input	Value	Notes	Expected proportion, p	0.95	enter on a decimal scale	Confidence level	90%	e.g. for 90% enter 90	z multiplier	1.645	determined by confidence level	Relative precision	10%	e.g. for 10% enter 10	Population size, N	32,486		Predicted sample size, n	15	rounded up to nearest integer
Input	Value	Notes																						
Expected proportion, p	0.95	enter on a decimal scale																						
Confidence level	90%	e.g. for 90% enter 90																						
z multiplier	1.645	determined by confidence level																						
Relative precision	10%	e.g. for 10% enter 10																						
Population size, N	32,486																							
Predicted sample size, n	15	rounded up to nearest integer																						
	Round-2	Comment/Request is closed.																						

Rule	Assessment Question	Findings/Comments	Developer Response
Meth	For SDG 13, Is the baseline calculated correctly to match the PDD/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).	Section E.1: The baseline calculation has been checked and is in line with the PDD/VPA-DD. The baseline calculation is to be corrected for the correction of project technology days discounting the down days prior to the application of the 95% factor. Section E.1 and E.2: The baseline calculation has been checked and is in line with the PDD/VPA-DD. However, PD shall include clearly reference to the spreadsheets used (including sheet names as necessary) and supply them as supporting evidence to the monitoring report. The aim is to direct your assurance providers to the information as quickly as possible, which will result in a quicker review process.	Please refer to previous CAR (The down days are discounted from crediting. If the percentage of non-functional days is less than 5%, then the 95% cap is applied for conservativeness. If it is above 5% then the non-functionality percentage will be used) PD has updated Section E.1 and E.2
	Round-2	1) Comment/Request is closed. 2) Comment/Request is closed.	

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Rule	Assessment Question	Findings/Comments	Developer Response
	For SDG 13, Is the net benefit calculated correctly as per the PDD/VPA-DD?	Section E.4: The net benefit calculation shall be corrected for the update in baseline emissions computations.	Please see previous CAR (The down days are discounted from crediting. If the percentage of non-functional days is less than 5%, then the 95% cap is applied for conservativeness. If it is above 5% then the non-functionality percentage will be used)
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
<u>P&R</u> 3.1.1 (d)	In cases where a project has reported on legal challenges, is the project in compliance with the Host Country's legal, environmental, ecological and social regulations?	Section G.3: PD shall submit a formal declaration that no legal challenges arose during the monitoring period	PD has included in Section G.3 a statement that no legal challenges arose during this monitoring period.
	Round-2	Comment/Request is closed.	

Rule	Assessment Question	Findings/Comments	Developer Response
<u>P&R</u> 1.2.6	Has the explanation of any different assumptions been clearly stated?	Section E.5.1: PD shall provide information if all assumptions are the same. If not then the assumptions used to compare ex ante estimate calculations with monitored data have been clearly explained.	The assumptions have not changed, the baselines are the same.
	Round-2	Comment/Request is closed.	

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Appendix: 2 - FORWARD ACTION REQUESTS

N/A

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