

**Validation report form for post-registration
changes (Design Change)**

BASIC INFORMATION

Title and GS4GG reference number of the project activity	Eritrea Community Boreholes GS5125
Process track	☒ Prior approval ☐ Issuance ☐ Renewal of crediting period
Version number of the validation report	06
Completion date of the validation report	25/03/2026
Type(s) of PRCs	☐ Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents ¹ ☐ Corrections ☐ Changes to the start date of the crediting period ☐ Inclusion of a monitoring plan ☐ Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents ☒ Changes to the project design ☐ Changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	Version 13, Dated 01/05/2025
Project participants	CO2balance UK Ltd, Vita Ireland, Local communities in Debub and Anseba regions
Host Party	State of Eritrea
Applied methodologies and standardized baselines	Emission Reductions from Safe Drinking Water Supplies v1
Mandatory sectoral scopes	Sectoral Scope (3): Energy demand

¹ Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

Conditional sectoral scopes, if applicable	NA
Name and UNFCCC reference number of the DOE	Carbon Check (India) Private Ltd. (E-0052)
Name, position and signature of the approver of the validation report	 Amit Anand, CEO

SECTION A. Executive summary

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Purpose, general description and location of the project activity:

The Project Developer (PD), Vita, Ireland, has appointed the VVB, Carbon Check (India) Private Ltd. (CC IPL)/9/ to perform an independent validation of the post registration change of the Gold Standard Large scale Project Activity “Eritrea community boreholes” in the host country of Eritrea (hereafter referred to as “project activity”).

The objective of the project activity is to make measurable and sustainable improvements in water supply, sanitation, hygiene, and the overall environment in the communities. As per the PDD, the project activity “Eritrea community boreholes” involves rehabilitations of broken boreholes so that they deliver clean, safe water. The projects will ensure that the quality of the water delivered by the boreholes is fit for human consumption in Eritrea.

PP proposes the following project design changes:

With the introduction of ERSDWS methodology the ERs generated per borehole reduced Significantly. To enable the continuation of the safe water projects implemented by Vita/co2balance in Eritrea, PP has decided to include in GS5125 the boreholes rehabilitated in another project in the state of Eritrea, GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 Zoba Anseba Community Safe Water, developed by Vita-co2balance under the Gold Standard. The boreholes in these VPAs will transition into GS5125 in line with this Design Change date , and their original VPAs will be discontinued.

Scope of validation:

This validation is an independent and objective review of the post registration changes in the registered PDD /4/. The scope of the validation of post registration changes is to determine whether there are proposed or actual changes to the project design of the registered GS project activity. CC IPL also determined whether the description in the revised PDD /1/ submitted by project participants, which describe the nature and extent of the actual changes, accurately reflects the implementation, operation and monitoring of the modified project activity.

The validation of post registration changes in the revised PDD /1/ were based on the following:

- (i) Approved methodology Emission Reductions from Safe Drinking Water Supplies v1/B02/
- (ii) Revised PDD /1/
- (iii) GS4GG Validation and Verification Standard (version 01.0) /B01/
- (iv) GS4GG Design Change Requirements v1.1/B01/
- (v) GS4GG Community-Services-Activity-Requirements, version 1.2/B01/
- (vi) GS4GG GHG Emissions Reduction & Sequestration Product Requirements, version 2.1/B01/
- (vii) GS4GG Site Visit and Remote Audit Requirements and Procedures, version 2.0/B01/

Validation process:

The validation process for post registration changes includes the following steps:

- (a) Contract with project developer and appointment of validation team and technical review team
- (b) Desk review of the revised PDD by validation team and planning of remote-site visit
- (c) Remote - site visit and follow up interviews by the validation team
- (d) Reporting and closure of findings (CARs/CLs/FARs) and preparation of validation report
- (e) Independent technical review of the validation report

- (f) Issuance of final validation report to the contracted PP and submission to Gold Standard for approval of post registration changes as appropriate.

The description in the revised PDD (version 13; dated 01/05/2025) /1/ meets all relevant GS4GG requirements for the PDD and correctly applies the selected baseline and monitoring methodology /B02/.

The version of the template for PDD was the latest version. CCIPL confirms that the revised PDD as provided by the PP complies with the instructions for completion of the PDD. Furthermore, CCIPL through review of revised PDD /1/ confirms that the information included in the new form is materially the same as the information in the registered PDD.

The Validation team confirms the contractual relationship signed on 28/02/2025 in between the VVB, Carbon Check (India) Private Ltd., and the PP, Vita Ireland /9/. The team assigned to the validation meets the CCIPL's internal procedures including the GS4GG requirements for the team composition and competence. The validation team has conducted a thorough contract review as per GS4GG and Carbon Check's procedures and requirements.

The report is based on the assessment of the revised PDD undertaken through application of standard auditing techniques including but not limited to document reviews and stakeholder interviews, review of the applicable/applied methodology and its underlying formulae and calculations.

This report contains the findings and resolutions from the validation and a validation opinion on the proposed post-registration changes thus confirming the revised project design as document is sound and reasonable and meets the stated requirements and identified criteria.

The validation confirms that the implementation of the post registration changes is in line with the applied methodology and all other applicable tools and guidance.

This report is the combined assessment opinion for all the changes that are proposed in the PDD and request is submitted for prior approval by Gold Standard.

SECTION B. Validation team, technical reviewer and approver

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B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader/ Technical Expert	IR	Kumar	Pankaj	CC IPL	X	X	X	X

B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	C	Indumathi	CC IPL
2.	Approver	IR	Anand	Amit	CC IPL

SECTION C. Means of validation

C.1. Desk/document review

The validation of post registration design change was performed primarily based on the review of the PDD /1/ and the supporting documentation. This process included review of data and information presented to validate their completeness and review of the methodology /B02/. Documents reviewed or referenced during the validation are listed in Appendix 3 of this report.

C.2. Remote inspection

Duration of remote-site inspection: 03/04/2025				
No.	Activity performed	Site location	Date	Team member ²
1.	Opening Meeting and brief project description by the PP, discuss the design change wrt inclusion of boreholes	Remote	03/04/2025	Pankaj Kumar
2.	An assessment of the implementation and operation of the design change in PDD	Remote	03/04/2025	Pankaj Kumar
3.	Interviews with relevant personnel to determine the design change in the PDD	Remote	03/04/2025	Pankaj Kumar
4.	A cross check between information provided in the PDD and data submitted	Remote	03/04/2025	Pankaj Kumar
5.	A review of calculations and assumptions made in determining the GHG data and emission reductions	Remote	03/04/2025	Pankaj Kumar
6.	An identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters	Remote	03/04/2025	Pankaj Kumar

² As stakeholder interviews were not part of this design change, a local expert was not engaged for the assignment.

C.3. Interviews

No.	Interviewee				Date	Subject	Team member
	Last name	First name	Affiliation	Designation			
1.	Barton	Rebecca	CO2Balance	Carbon Project Manager	03/04/2025	Design Change, Parameters change due to design change and completeness of revised PDD	Pankaj Kumar
2.	Raine	George	CO2Balance	Carbon Project Officer	03/04/2025	Design Change, Parameters change due to design change and completeness of revised PDD	Pankaj Kumar

C.4. Sampling approach

Not applicable.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	-	1	1
Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents	-	-	-
Corrections	-	-	-
Changes to the start date of the crediting period	-	-	-
Inclusion of a monitoring plan	-	-	-
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents	1	-	-
Changes to the project design	2	-	-
Changes specific to afforestation and reforestation project activities	-	-	-
Change in SDG parameters due to change in project design	3	-	-
Total	6	1	1

SECTION D. Validation findings

D.1. Compliance with PDD form

Means of validation	DR, I
Findings	-
Conclusion	The revised PDD /1/ has been completed using the latest available template of GS4GG PDD/B03/ and has been submitted in both track change and clean versions.

	Both the registered /4/ and revised PDD /1/ were reviewed for the consistency of the information and it is confirmed that the information transferred from the previous template to the new template is materially the same as in the registered PDD /4/ except the changes due to the proposed PRC. This confirms compliance with the §6.3.2 (b) of GS4GG VVS, version 2.0. The validation team confirms that: (i) The revised PDD /1/ is compliant with the valid version of the GS4GG PDD-template /B03/ and instructions therein; and (ii) The information transferred to the revised PDD /1/ is materially the same as that provided in the registered PDD /4/.
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D.2. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

D.3. Corrections

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

D.4. Changes to the start date of the crediting period

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

D.5. Inclusion of a monitoring plan

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

D.7. Changes to the project design

Means of validation	The changes in the project design have been validated by document review, remote inspection visit, review of registered and revised PDD.
Findings	-
Conclusion	The current project design involves changes compared to the project design in the registered project activity. The following project design changes are being proposed: With the introduction of ERSDWS methodology the ERs generated per borehole reduced significantly from TPDDTEC. To enable the continuation of the safe water projects implemented by Vita/co2balance in Eritrea, PP has decided to include in GS5125 the boreholes rehabilitated in another project in the state of Eritrea, GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 Zoba Anseba Community Safe Water, developed by Vita-co2balance under the Gold Standard. The boreholes in

these VPAs will transition into GS5125 in line with this Design Change date , and their original VPAs will be discontinued.

Assessment by the validation team:

In the revised PDD, PP has mentioned in section A.1 & Annexure 4 of the PDD that 40 bore holes from Anseba Region MS projects: GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 have ended their first crediting cycle and all ERs from CP1 have been fully credited and are not going to be re-validated but their technologies will be incorporated under GS5125.

The validation team confirms that post registration change (Design Change) will not affect the additionality of the project activities which was addressed during the RCP stage.

The validation team confirms that applicability conditions of the Emission Reductions from Safe Drinking Water Supplies v1 methodology are addressed during the RCP and the post-registration change does not affect the applicability of the methodology on the project.

The validation team confirms that post registration change (Design Change) will not affect the type of technology included in the project, but only an increase in the total number of boreholes. This increase in numbers will not affect the scale of the project as the project is already assessed to be large scale.

The validation team confirms that during the RCP, it was noted that the project has transitioned from the TPDDTEC v.2 methodology to ERSDWS v.1, prompting the establishment of a new baseline aligned with the updated parameters. Specifically, the TPDDTEC parameter "Cj" has been updated to "Cb" under ERSDWS v.1, and the fNRB has also been reviewed.

The validation team confirms that due to the post registration change, there is no change in the baseline / monitoring plan of the registered PDD and the monitoring methodology.

The validation team confirms that PP has considered start date of design change as 03/11/2024. Since the last monitoring period for CP 1 of the GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 projects concluded on or before 03/11/2024, the PP has selected this date as the start date of design change. During remote audit, PP confirmed that the crediting period of one VPA out of 40 numbers crediting period is going to end on 02/11/2024.

The validation team further confirms that due to the stated project design change, there will not be any adverse impact on the project boundary and any associated leakages; the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan. The project boundary remains the entire country of Eritrea and the included VPA's are also located in the same project boundary. The validation team has checked the project documents for the included VPAs /5/ to confirm on the same.

As per the updated PDD, PP has clarified that the design change does not have any impact on project boundary and in line with §4.1.1 and 4.1.2 of the RU_2022: Application-of-TPDDTEC-methodology-to-safe-water-supply-projects /B01-1/.

The validation team further confirms that due to the project design changes, there will not be any adverse impact on stakeholder consultation, safeguarding assessment and legislation in line with GS4GG Design Change Requirements v1.1/B01/

The validation team confirms that due to the project design changes, ERs increased due to addition of boreholes.

- 59,068 tCO₂e per year before inclusion.
- 64,771 tCO₂e per year after the complete transition of the BHs of the MS project into the LS project, transition that will happen gradually according to the MS VPAs CP1 ending.

Based on the document review /2/ and remote audit, the validation team confirms that the project design changes will affect SDG 7, SDG 13, and SDG 15. These SDGs have increased due to the addition of 40 new boreholes during the post-registration change.

The validation team's assessment of the parameters is as follows:

Sr. No.	Parameter	VVB Assessment
1	Additionality	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new borehole, will have no impact on project additionality. The additionality was re-evaluated during the renewal of the crediting period, and the aforementioned PRC has no impact, as the project is automatically considered additional due to its location in an LDC. Furthermore, the inclusion of the VPAs does not alter the project's boundary.
2	Applicability of methodology and other methodological regulatory documents with which the project activity has been certified	VVB has assessed the updated PDD and confirms that the design change, adding new boreholes, does not affect ERSWDS, version 1.0 methodology applicability. The project remains compliant with methodology and PDD requirements, with ex-ante ER calculations and SDG assessments done during RCP aligned with standards, supported by new baseline surveys.
3	Compliance with the monitoring plan of the applied methodology	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will be monitored as per monitoring plan according to ERSWDS methodology and the registered monitoring plan.

	4	Level of accuracy and completeness in the monitoring of the project activity compared with the requirements contained in the registered monitoring plan	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will be monitored as per registered monitoring plan and according to ERSDWS methodology. So, there will be no impact on the level of accuracy and completeness in the monitoring of the project activity.
	5	Scale of the project activity	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will have no impact on scale of the project activity as the project is already assessed to be large scale.
	6	Stakeholder consultation	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will have no need of stakeholder consultation as there is no change in the project boundary and the affected stakeholders remain the same.
	7	Sustainable development criteria	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will have no impact on the sustainable development criteria.
	8	Safeguarding assessment	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will have no impact on the safeguarding assessment.
	9	Compliance with applicable legislation	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, does not require any new approvals or licenses from environmental or regulatory authorities.
The validation team confirms that the proposed project design changes comply with the requirements of the §8 of the GS4GG VVS, version 2.0/B01/. The large scale project activity, GS 5125 has been revalidated, incorporating a design change to include the boreholes from the Anseba Region. These technologies were initially credited under VPAs GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955. The boreholes have been rehabilitated under a separate project developed by Vita-co2balance within the Gold Standard framework and transitioned to GS5125 in alignment with the Design Change start date. Since the first crediting period for GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955			

ended without revalidation or CP2 renewal, the VVB has validated all aspects related to the renewal of the crediting period to ensure these projects remain active and can be included in the second crediting period of GS5125. Based on the document review /1/, /5/, /6/, /7/ and a remote audit, the validation team confirms the validation of the projects GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 under the following parameters:

Sr. No.	Parameter	PP Reponse	VVB Assessment
1	Changes in the Project as related to the General Eligibility Criteria	no changes have occurred. The project type, legal ownership and project boundaries are in line with GS5125	Based on the desk review of section A.1.1 of the PDD and remote interview with the PP, the VVB can concluded that the design change complies with the eligibility criteria outlined in Section 3.1.1 of the GS4GG Principles and Requirements, version 1.2. Additionally, each project device will be assigned a unique identification number for each region (e.g., Anseba and Debub). This design change has no impact.
2	Incorporation of any relevant updates to the Gold Standard Requirements:	no changes occurred.	VVB has assessed GS4GG updates but no updates applicable to the proposed design change. Additionally, it should be noted that the crediting period for GS5125 was recently renewed, incorporating all relevant updates to the Gold Standard requirements, and the newly added boreholes will adhere to the same.
3	Re-definition of Baseline Scenario and any impact of change on the Eligibility Principles, Criteria and Requirements:	the project baselines were reassessed for the Debub Region (baselines surveys took place between February and March 2023). There are no changes in Eligibility Principles, Criteria	VVB has assessed the baselines surveys that took place between February and March 2023/6/ and confirms that there are no changes in Eligibility Principles, Criteria and Requirements. It is also to be noted that the all the boreholes are located within the same project boundary and

			and Requirements.	hence, the baseline scenario redefined for GS5125 is applicable to the added boreholes as well.
	4	Any Gold Standard activity, product and methodology-specific Requirements:	when the boreholes transitioned into GS5125 and as this is a safe water project that aims to maintain boreholes at community level, the project adopted the latest Gold Standard Emission Reductions from Safe Drinking Water Supplies v1.	VVB has assessed the updated PDD and confirms that the design change, specifically the addition of the new boreholes, will be monitored as per registered monitoring plan and according to ERSDWS methodology. So, there will be no impact on the level of accuracy and completeness in the monitoring of the project activity.
	5	Demonstration of Ongoing Financial Need	When the boreholes transitioned into GS5125 there is no change to what is outlined in section B.5.2 of this PDD	VVB has assessed the updated PDD and confirms that the design change, specifically the Ongoing Financial Need of the new boreholes outlined in section B.5.2 of this PDD, will have no impact. This is because the same entity, Vita CO2balance UK Ltd., serves as the PP for GS-5125 and PP for VPAs GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955. Additionally, since the boreholes are located in Eritrea, an LDC, the VPAs are automatically considered additional, similar to GS 5125.
The VVB reviewed the re-validated baseline conducted by the PP between February and March 2023/6/. The baseline survey was found to align with GS 5125 requirements. Following a remote interview with the project proponent (PP) and a review of the revised PDD/5/, the validation team confirms that the project focuses on rehabilitating and maintaining safe water sources within the geographical boundaries of the POA, which encompasses Eritrea. The project type qualifies under the Community Services Activity Requirements, specifically sections 3.1.1(b) and 3.1.1(d)/B01/. Based on the review of the end-user agreement and cover				

	letter/7/, the VVB confirms that the rights to carbon credits will be held by Vita CO2balance UK Ltd. The start date for the crediting period is 03/11/2024. The validation team confirms the validation of GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955 project comply with the requirements of the §5.1.47 of the GS4GG Principles and Requirement, version 2.1 and §10.1.1 of the GS4GG VVS,version 2.0/B01/.
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D.8. Changes specific to afforestation and reforestation project activities

Means of validation	Not applicable
Findings	Not applicable
Conclusion	Not applicable

SECTION E. Internal quality control

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The final post-registration changes report has undergone technical review. An Independent technical reviewer qualified in accordance with the CCIPL's qualification scheme for GS4GG validation and verification has performed the technical review.

SECTION F. Validation opinion

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Carbon Check (India) Private Ltd. (CC IPL) has performed the validation of the post-registration changes for the registered GS4GG Project Activity "Eritrea community boreholes" having GS-ID 5125. During the validation of the post-registration changes to the project activity, project design changes have been identified. The post registration changes (PRC) to registered project activity has been validated in line with the requirements of GS4GG . CCIPL confirms that the post registration changes information in the revised PDD (version 13, Dated 01/05/2025) /1/ reflects post-registration changes related to the registered PDD /4/.

The validation was performed on the basis of rules and requirements defined by GS4GG for the project activities. The review of the revised PDD /1/, supporting documentation and subsequent follow-up actions (including interviews), have provided CCIPL with sufficient evidence to determine the fulfilment of stated criteria.

The description in the revised PDD /1/ meets all relevant GS4GG requirements for the project activity and correctly applies the selected baseline and monitoring methodology.

This report is the assessment opinion for the changes that are proposed in the revised PDD /1/ and request is submitted for acceptance of the Board as a part of prior approval request.

Appendix 1. Abbreviations

Abbreviations	Full texts
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Ltd.
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
DR	Document review
FAR	Forward Action Request
FVR	Final validation Report
GHG	Greenhouse gas(es)
I	Interview
IPCC	Intergovernmental Panel on Climate Change
IR	Internal resource
PDD	Project Design Document
PP	Project Participant
PRC	Post-Registration Changes
OSV	On Site Visit
QC/QA	Quality control/Quality assurance
TA	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

1

Carbon Check (India) Private Limited

Certificate of Competency

Pankaj Kumar

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|--|---|--|---|
| ☐ Management Function | ☐ Administrative | ☒ Validator/Verifier | ☒ Team Leader |
| ☐ Acting Team Leader | ☒ Technical Expert | ☐ Technical Reviewer | ☐ Trainee Assessor |
| ☒ Assessor | ☒ Regional Expert | ☐ Gender Expert | ☐ Financial Expert |
| <input type="text" value="India"/> | | | |
| ☐ Plastic Waste Expert | ☐ Health Expert | ☐ CCB Expert | ☒ SDG Expert |
| ☒ Expert Social Aspect | ☒ Expert Environmental Aspect | ☐ Internal Auditor | ☐ Legal Expert |
| ☒ FOEN Approved Technical Expert | ☐ FOEN Approved Quality Officer | | |

in the following Technical Areas:

- ☐ PWRP 2 - Plastic Waste Collection & Recycling
- ☐ TA 1.1 - Thermal energy generation
- ☒ TA 1.2 - Renewable Energy generation
- ☐ TA 10.1 - Fugitive emissions from oil and gas
- ☒ TA 13.1 - Solid waste and Wastewater
- ☒ TA 13.2 - Manure
- ☐ TA 14.1 - Afforestation and reforestation (except REDD & REDD+)

- ☐ TA 14.1 - Afforestation and reforestation (only REDD & REDD+)
- ☐ TA 15.1 - Agriculture (With Model Validation)
- ☐ TA 15.1 - Agriculture (Without Model Validation)
- ☐ TA 16.1 Carbon Capture and Storage ☐ TA 2.1 - Energy Distribution
- ☒ TA 3.1 - Demand Side Energy Efficiency
- ☐ TA 4.1 - Cement and Lime Production
- ☐ TA 4.n - Waste Heat Recovery & Fuel Switch ☐ TA 5.1 - Chemical Industry
- ☐ TA 5.2 - Caprolactam, Nitric and Adipic Acid ☐ TA 7.1 - Transport
- ☐ TA 8.1 - Mining/Mineral Production
- ☐ TA 9.1 - Aluminium and magnesium production
- ☐ TA 9.2 - Iron, Steel and Ferro-alloy Production
- ☐ TA PWRP 1 - Plastic Waste Collection & Recycling

Issue Date 14-01-2026 **Expiry Date** 14-01-2027

Vikash Kumar Singh
Director - Compliance

Carbon Check (India) Private Limited

Certificate of Competency

Indumathi C

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS, A 6.4 AS/ ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|--|---|--|--|
| ☐ Management Function | ☐ Administrative | ☒ Validator/Verifier | ☒ Team Leader |
| ☐ Acting Team Leader | ☒ Technical Expert | ☒ Technical Reviewer | ☐ Trainee Assessor |
| ☒ Assessor | ☒ Regional Expert | ☐ Gender Expert | ☒ Financial Expert |
| India, Sri Lanka | | | |
| ☒ Plastic Waste Expert | ☐ Health Expert | ☐ CCB Expert | ☒ SDG Expert |
| ☒ Expert Social Aspect | ☒ Expert Environmental Aspect | ☐ Internal Auditor | ☐ Legal Expert |
| ☒ FOEN Approved Technical Expert | ☐ FOEN Approved Quality Officer | | |

in the following Technical Areas:

- ☒ TA 1.1 - Thermal energy generation
- ☒ TA 1.2 - Renewable Energy generation
- ☐ TA 10.1 - Fugitive emissions from oil and gas
- ☒ TA 13.1 - Solid waste and Wastewater
- ☒ TA 13.2 - Manure
- ☐ TA 14.1 - Afforestation and reforestation (except REDD & REDD+)
- ☐ TA 14.1 - Afforestation and reforestation (only REDD & REDD+)

- ☐ TA 15.1 - Agriculture (With Model Validation)
- ☐ TA 15.1 - Agriculture (Without Model Validation)
- ☐ TA 16.1 Carbon Capture and Storage ☐ TA 2.1 - Energy Distribution
- ☒ TA 3.1 - Demand Side Energy Efficiency
- ☐ TA 4.1 - Cement and Lime Production
- ☐ TA 4.n - Waste Heat Recovery & Fuel Switch ☐ TA 5.1 - Chemical Industry
- ☐ TA 5.2 - Caprolactam, Nitric and Adipic Acid ☐ TA 7.1 - Transport
- ☐ TA 8.1 - Mining/Mineral Production
- ☐ TA 9.1 - Aluminium and magnesium production
- ☐ TA 9.2 - Iron, Steel and Ferro-alloy Production
- ☐ TA PWRP 1 - Plastic Waste Collection & Recycling

Issue Date 26-11-2025 **Expiry Date** 26-11-2026

Vikash Kumar Singh
Director - Compliance

Appendix 3. Documents reviewed or referenced

No.	Document	Provider
1	final GS PDD in track change, version 13, dated 01/05/2025 Initial GS PDD in track change, version 11, dated 01/03/2025	PD
2	GS5125_Ex_Ante_calcs_v9, dated 01/05/2025 Emission reduction spreadsheet, version 8, dated 01/03/2025	PD
3	LS Eritrea SDG tool v7; dated 01/05/2025 LS Eritrea SDG tool v6; dated 01/03/2025	PD
4	Registered GS PDD after renewal of CP, associated ER sheet and validation report PDD - version 7; 28/02/2024, ER Sheet – version 6 and Validation report - version 4; 25/03/2024	PD
5	Registered PDD GS5951 VPA122 Eritrea Boreholes VPA-DDv2_CL; dated 06/03/2018 GS5952 VPA123 Eritrea Boreholes VPA-DDv2_CL; dated 06/03/2018 GS5953 VPA124 Eritrea Boreholes VPA-DDv2_CL; dated 06/03/2018 GS5954 VPA125 Eritrea Boreholes VPA-DDv2_CL; dated 06/03/2018 GS5955 VPA126 Eritrea Boreholes VPA-DDv2_CL; dated 06/03/2018	PD
6	Records of baseline surveys conducted between February and March 2023	PD
7	Cover Letters as an evidence for project ownership of GS 5125, GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955	PD
8	India Mark Specs Rev 2007/Technical specifications of the boreholes installed in GS 5125, GS 5951, GS 5952, GS 5953, GS 5954 and GS 5955, Rev 2007	PD
9	Contract between PD and VVB (Dated: 28/02/2025)	CC IPL
10	Anseba HH List	PD

B01	GS4GG	- GS4GG Validation and Verification Standard (version 02.0) - GS4GG Site Visit and Remote Audit Requirements and Procedures, version 2.0 - GS4GG Design Change Requirements v1.1 - GS4GG Community-Services-Activity-Requirements, version 1.2 - GS4GG GHG Emissions Reduction & Sequestration Product Requirements, version 2.1 - Application Of TPDDTEC Methodology To Safe Water Supply Projects	https://globalgoals.goldstandard.org/templates/	Others
B02	GS4GG	METHODOLOGY- Emission reductions from Safe Drinking Water Supply v.1.0	https://globalgoals.goldstandard.org/templates/	Others
B03	GS4GG	PDD Template and PDD guide	https://globalgoals.goldstandard.org/templates/	Others

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1 Clarifications Required.

CL ID	01	Section no.	Table 1 of PDD	Date: 24/03/2025
Description of CL				
In the previous design change, PP claimed SDG 4. However, in this design change, SDG 4 is not being claimed. PP shall clarify and provide the reason for its removal.				
Project Participant (PP) Response				Date: 08/04/2025
PD has decided to focus on the other SDGs instead. SDG 4 will not be monitored.				
Documentation provided by PP				
VVB assessment				Date: 21/04/2025
PD has opted to not use SDG 4.				
Hence, CL is closed.				

CL ID	02	Section no.	A.2	Date: 24/03/2025
Description of CL				
In Section A.2 of the PDD, PP has not provided details regarding the project location of the newly added boreholes or their geo-coordinates. PP shall clarify.				
Project Participant (PP) Response				Date: 08/04/2025
The new project boreholes are in Anseba, however, this was always included in the project location for GS5125. Therefore, no update is necessary. The project boundary remains unchanged.				
Documentation provided by PP				
VVB assessment				Date: 21/04/2025
PD has clarified that the new bores are added are from Anseba and have the same project boundary, explained in section A.2 of the PDD. VVB has verified the same through VPA 5951-5955.				
Hence, CL is closed.				

CL ID	03	Section no.	B.6.2	Date: 24/03/2025
Description of CL				
In section B.6.2 of the PDD, PP stated that the "Number of households/institutions per CWT/CWS is 112." PP shall clarify why this value is lower than in the previous PDD, despite the addition of boreholes in this design change.				
Project Participant (PP) Response				Date: 08/04/2025
Documentation provided by PP				
The value is average of the number of HH per CWS. The number of HH per water point in Anseba is lower than the number in Dehub, which has brought the average value down. This can be seen in the 'Project Database Summary' sheet of the updated Ex-antes.				
VVB assessment				Date: 21/04/2025
PD has now clarified that the number of HH in Anseba is lower than the number in Dehub, which has brought the average value down. VVB has checked the calculation and found acceptable.				
Hence, CL is closed.				

CL ID	04	Section no.	B.6.3	Date: 24/03/2025
Description of CL				
In Section B.6.3 of the PDD, the calculated value for SDG 7 (HH access) does not align with the value stated in the KPI table and the ER Sheet. PP shall clarify.				
Project Participant (PP) Response				Date: 08/04/2025
PD has corrected value.				
Documentation provided by PP				
VVB assessment				Date: 21/04/2025
VVB has assessed the updated PDD and found that values for SDG 7 in section B.6.3 and KPI are now in line with ER sheet. Hence, CL is closed.				

CL ID	05	Section no.	B.6.3	Date: 24/03/2025
Description of CL				
1. In Section B.6.3 of the PDD, the calculated value for SDG 13 does not align with the value mentioned in the KPI table or the ER Sheet. PP is requested to clarify. Additionally, PP should cross-check the SDG values from the ER Sheet throughout the report. 2. In Section B.6.3 of the PDD, the calculated value for SDG 7 does not align with the value mentioned in the KPI table or the ER Sheet. PP Shall Clarify. 3. In Section B.6.3 of the PDD, the calculated value for SDG 15 does not align with the value				

mentioned in the KPI table or the ER Sheet. PP is requested to provide clarification.	
Project Participant (PP) Response	Date: 08/04/2025
PD has updated.	
Documentation provided by PP	
VVB assessment	Date: 21/04/2025
- VVB has assessed the updated PDD and found that values for SDG 13 are not in line with ER sheet. Hence, CL is open. - VVB has assessed the updated PDD and found that in section B.7.1, value for SDG 7 is not in line with ER sheet. Hence, CL is open. - VVB has assessed the updated PDD and found that SDG values for 15 are now in line with ER sheet. Hence, CL is closed.	
Project Participant (PP) Response	Date: 01/05/2025
- PD has updated values in the PDD. - PD has updated the value in the PDD.	
Documentation provided by PP	
VVB assessment	Date: 02/05/2025
- The value of SDG 13 is now in line with ER sheet. Hence, CL is closed. - The value of SDG 7 in section B.7.1 of the PDD is now in line with ER sheet. Hence, CL is closed.	

CL ID	06	Section no.	B.6.3	Date: 24/03/2025
Description of CL				
In the section B.7.1, value of the Np,y parameter, "Number of people served by the project in year y," does not align with the ER calculation sheet. PP shall clarify.				
Project Participant (PP) Response				Date: 08/04/2025
PD has updated.				
Documentation provided by PP				

VVB assessment	Date: 21/04/2025
VVB has assessed the updated PDD and found that PD has now updated the Np,y parameter, "Number of people served by the project in year y," in line with ER sheet.	
Hence, CL is closed.	

Corrective action required (CARs)

Table 2 Corrective action Required.

CAR ID	01	Section no.	A.1	Date: 24/03/2025
Description of CAR				
1. In section A.1 of the PDD, PP shall specify the region from which the boreholes listed below have been added to GS 5125 and provide the corresponding GS ID. 2. PP shall specify the unit of measurement (UOM) in cell AG of the 'Project database tab' of ER Sheet version 8.				
Project Participant (PP) Response				Date: 08/04/2025
PD has updated.				
Documentation provided by PP				
VVB assessment				Date: 17/04/2025
1. VVB has assessed the updated PDD and found that PD has now included the location of the boreholes which have been added in GS 5125 with GS ID. Hence, CAR is closed. 2. PD has not specified the UOM in cell AG of the project database. Hence, CAR is open.				
Project Participant (PP) Response				Date: 01/05/2025
2. PD has updated cell AG in the project database.				
Documentation provided by PP				
GS5125_Ex_Ante_calcs_v9				
VVB assessment				Date: 02/05/2025
2. PD has now specified the UOM in cell AG of the project database. Hence, CAR is closed.				

Table 3 Forwarded action Required.

FAR ID	01	Section no.	D.7	Date: 20/03/2026
Description of FAR				
The VVB doing the verification shall assess and confirm that CME shall demonstrate and provide sufficient evidence of the operational status and continued functionality of all boreholes transitioned from GS5951, GS5952, GS5953, and GS5954 to GS5125. This shall include updated monitoring records, location details, and supporting documentation to confirm that the boreholes are active and contributing to the project activity in line with the applied methodology and monitoring plan. Further, VVB shall explicitly document the outcome of the assessment in the verification report.				