

**Verification and certification report form for
programme of activities**

BASIC INFORMATION

Title and GS reference number of the programme of activities (PoA)	Myanmar Stoves Campaign (GS 1729) GS PoA- 1729		
Version number(s) of the PoA-DD(s) to which this report applies	Version 4. dated 21/09/2016		
GS ID (s) of the VPAs	VPA Ref. No.	Title	
	GS6129	Myanmar Stoves Campaign - Soneva in Myanmar - VPA No. 07	
	GS6338	Myanmar Stoves Campaign - Soneva in Myanmar - VPA No. 08	
	GS6599	Myanmar Stoves Campaign - Soneva in Myanmar - VPA No. 09	
	GS7394	Myanmar Stoves Campaign - Soneva in Myanmar - VPA No. 13	
	GS7465	Myanmar Stoves Campaign - Soneva in Myanmar - VPA No. 14	
Version number of the verification and certification report	2.1		
Completion date of the verification and certification report	03/04/2024		
Monitoring period number and duration of this morning period	1. GS6129 (VPA-07): 01/07/2020 - 30/06/2021_MP 4 th 2. GS6338 (VPA-08): 01/12/2020 - 30/11/2021_MP 4 th 3. GS6599 (VPA-09): 01/02/2021 - 31/01/2022_MP 4 th 4. GS7394 (VPA-13): 01/01/2021 - 31/12/2021_MP 3 rd 5. GS7465 (VPA-14): 01/02/2021 - 31/01/2022_MP 3 rd		
Version number of the monitoring report to which this report applies	VPA No.07 Version 05.0: Dated: 24/02/2024 VPA No.08 Version 05.0: Dated : 22/02/2024 VPA No. 09 Version 04.0: Dated : 04/02/2024 VPA No. 13 Version 04.0: Dated: 08/02/2024 VPA No. 14 Version 04.0: Dated 22/02/2024		
Activity Requirements applied	Community Services Activities		
Product Requirements applied	GHG Emission Reduction & Sequestration		

Coordinating/managing entity (CME)	Soneva Foundation, Mercy Corps Myanmar			
Host Country	Republic of the Union of Myanmar			
Applied methodologies and standardized baselines	For VPA08, VPA09, VPA013 and VPA014-The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013. For VPA07- The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013, and Version 1.1 April 2020.			
Mandatory sectoral scopes	3/3.1: Energy demand			
SDG Indicators	For VPA 07			
	SDG target	SDG impact	Amount Achieved	Units
	SDG 13: Take urgent action to combat climate change and its impacts	Emission Reduction	3352	VERs (tCO ₂ e)
	SDG 3: Ensure healthy lives and promote well-being for all ages	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution.	4431	People
	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all	Improvement in energy efficiency in cooking practices.	1163	Households
	SDG 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment	Informal job creation in non-agricultural sector	46	Informal jobs created

	and decent work for all			
	For VPA 08			
	SDG target	SDG impact	Amount Achieved	Units
	SDG 13 : Take urgent action to combat climate change and its impacts	Emission Reduction	3162	VERs (tCO2e)
	SDG 13: Take urgent action to combat climate change and its impacts	Improving education, awareness-raising, and human and institutional capacity on climate change, mitigation, impact reduction and early warning.	2351	People sensitize and trained
	SDG 3: Ensure healthy lives and promote well-being for all ages	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution.	4192	People
	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all	Improvement in energy efficiency in cooking practices.	868	Households
	SDG 8: Promote sustained, inclusive and	Informal job creation in non-agricultural sector	88	Informal jobs created

	sustainable economic growth, full and productive employment and decent work for all			
	For VPA 09			
	SDG target	SDG impact	Amount Achieved	Units
	SDG 13 : Take urgent action to combat climate change and its impacts	Emission Reduction	4686	VERs(tCO2e)
	SDG 13: Take urgent action to combat climate change and its impacts	Improving education, awareness-raising, and human and institutional capacity on climate change, mitigation, impact reduction and early warning.	1775	People sensitized and trained
	SDG 3: Ensure healthy lives and promote well-being for all ages	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution.	4075	People
	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all	Improvement in energy efficiency in cooking practices.	844	Households

	SDG 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	Informal job creation in non-agricultural sector	64	Informal jobs created
	For VPA13			
	SDG target	SDG impact	Amount Achieved	Units
	SDG 13 : Take urgent action to combat climate change and its impacts	Emission Reduction	7524	VERs (tCO ₂ e)
	SDG 3: Ensure healthy lives and promote well-being for all ages	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution.	7649	People
	SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all	Improvement in energy efficiency in cooking practices.	1704	Households
	SDG 8: Promote sustained, inclusive and sustainable economic	Informal job creation in non-agricultural sector	36	Informal jobs created

	growth, full and productive employment and decent work for all			
	For VPA 14			
	SDG target	SDG impact	Amount Achieved	Units
	SDG 13: Take urgent action to combat climate change and its impacts	Emission Reduction	6574	VERs
	SDG 13: Take urgent action to combat climate change and its impacts	Improving education, awareness-raising, and human and institutional capacity on climate change, mitigation, impact reduction and early warning.	2630	People sensitized and trained
	SDG 3: Ensure healthy lives and promote well-being for all ages	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution.	6889	People
	SDG 7: Ensure access to affordable, reliable, sustainable and modern	Improvement in energy efficiency in cooking practices.	1577	Households

	energy for all			
Name and UNFCCC reference number of the VVB	E-0052: Carbon Check (India) Private Ltd.			
Name, position, and signature of the approver of the verification and certification report	 Sanjay Kumar Agarwalla, Technical Director			

SECTION A. Executive summary

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Introduction:

The Co-ordinating Managing Entity/Project Participant has appointed the VVB, Carbon Check (India) Private Ltd. (CC IPL) to perform independent verification of the GS Programme of Activities, “Myanmar Stoves Campaign in Myanmar” in “Myanmar”. (hereafter referred to as “Programme of Activities or PoA”) for the VPAs titled.

“GS1729 Myanmar Stoves Campaign -Soneva in Myanmar – VPA No. 07
 GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 08
 GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 09
 GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 13
 GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 14”

The PoA involves the replacement of less efficient three-stone cooking stoves using woody biomass with improved energy-efficient cooking stoves which are more efficient. The ICS Fuel-Efficient Stoves (FES) cookstoves distributed under VPAs are more efficient in transferring heat from the fuel to the pot when compared to the three-stone stove typically used in the baseline. By replacing inefficient stoves, the PoA will save on the consumption of woody biomass and do GHG emissions reduction.

The VPAs are designed to generate emission reductions through the distribution of fuel-efficient wood/charcoal stoves. The improved cookstoves (ICS) Fuel-Efficient Stoves (FES) are replacing the less efficient baseline stoves in common use (baseline scenario). The CME and VPA implementer is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the component project activities.

This report summarises the verification findings of the project, performed on the basis of Procedures, and GS4GG methodology requirements, as well as on the basis of given criteria for consistent project operations, monitoring, reporting, and the subsequent decisions by the Gold Standard Secretariat. Verification is required for all registered GS project activities intending to confirm their achieved emission reductions and proceed with a request for issuance of VERs. This report contains the findings and resolutions from the verification along with a certification statement for the certified emission reductions.

Objective:

Verification is the process of periodic independent review and ex-post determination of both quantitative and qualitative information by a VVB. In verification, the monitored reductions in GHG emissions that have occurred because of the registered GS project activity during a defined monitoring period are to be verified.

Certification is the written assurance by a VVB that, during a specific period in time, a project activity achieved the emission reductions as verified. The objective of this verification was to verify and certify Emission Reductions and SDG benefits achieved for the period reported for the “Myanmar Stoves Campaign in Myanmar “in the host country “Myanmar” as follows:

S.No	VPAs	Monitoring period and Number
1	GS6129 (VPA-07)	01/07/2020 - 30/06/2021 _MP 4 th
2	GS6338 (VPA-08)	01/12/2020 - 30/11/2021 _MP 4 th

3	GS6599 (VPA-09)	01/02/2021- 31/01/2022 _MP 4th
4	GS7394 (VPA-13)	01/01/2021 - 31/12/2021 _MP 3rd
5	GS7465 (VPA-14)	01/02/2021 - 31/01/2022 _MP 3rd

The purpose of verification is to review the monitoring results and verify that the monitoring was implemented according to the monitoring methodology/B02/ and the monitoring plan is given in the PoA/ VPAs and to confirm that the reductions in anthropogenic emissions by sources, are sufficient, definitive, and presented in a concise and transparent manner. CCIPL's objective is to perform a thorough, independent assessment of the implementation of the registered program of activity VPA-DD/B03/.

In particular, the monitoring plan, monitoring report/01/, and the project's compliance with relevant UNFCCC, GS, and host Party criteria are verified to confirm that the component project/s has/have been implemented in accordance with the previously registered/included component project design with conservative assumptions, as documented. Also, it is confirmed that if the monitoring plan is following the registered/included VPA-DD/B03 and the approved monitoring methodology/B02/.

Scope:

The scope of the verification is:

- To verify the project implementation and operation with respect to the registered/included VPA-DD/B03/.
- To verify the implemented monitoring plan with the registered/included VPA-DD/B03/ or approved revised VPA-DD and applied baseline and monitoring methodology/B02/.
- To verify that the actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
- To evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data are free from material misstatement.
- To verify that reported GHG emission data are sufficiently supported by evidence.

The verification shall ensure that the reported emission reductions are complete and accurate, in order, to be certified.

The verification comprises a review of the monitoring report/01/ covering the monitoring period from for each VPA is as follows:

S.No	VPAs	Monitoring period and Number
1	GS6129 (VPA-07)	01/07/2020 - 30/06/2021 _MP 4 th
2	GS6338 (VPA-08)	01/12/2020 - 30/11/2021 _MP 4 th
3	GS6599 (VPA-09)	01/02/2021- 31/01/2022 _MP 4 th
4	GS7394 (VPA-13)	01/01/2021 - 31/12/2021 _MP 3rd
5	GS7465 (VPA-14)	01/02/2021 - 31/01/2022 _MP 3rd

In above mentioned period inclusive of both the dates and based on the registered/included VPA-DDs including the monitoring plan/01/, emission reduction calculation spreadsheet/02/, monitoring methodology/B02/, and all related evidence provided by a project participant.

The verification team assigned by the VVB concludes that the PoA (Version 4.0, dated 21.09.2016), GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), is in accordance with all relevant requirements of the GS4GG requirements and UNFCCC for CDM project activities including article 12 of the Kyoto Protocol and paragraph 62 of CDM M&P, the modalities, and procedures for CDM (Marrakesh Accords) and the subsequent decisions by the COP/MOP and CDM Executive Board and Gold Standard Secretariat. The verification has been conducted in line with the GS4GG requirements and CDM VVS for PoAs requirements Version 3.0

The voluntary project activities were correctly implemented according to the selected monitoring methodology/B02/, monitoring plan, and the approved revised VPA-DD/s. The monitoring system was implemented, and maintained in a proper manner, while collected monitoring data allowed for the verification of the amount of achieved GHG emission reductions. Through the review of documents and information shared by the CME, CME, the verification team confirms that all 05 VPAs has resulted in emission reductions during their respective monitoring period as follows:

S.No	VPAs	Monitoring period and Number	Emission Reduction (VERs) (tCO _{2e})
1	GS6129 (VPA-07)	01/07/2020 - 30/06/2021_MP 4th	3352
2	GS6338 (VPA-08)	01/12/2020 - 30/11/2021_MP 4th	3162
3	GS6599 (VPA-09)	01/02/2021- 31/01/2022_MP 4th	4686
4	GS7394 (VPA-13)	01/01/2021 - 31/12/2021_MP 3rd	7524
5	GS7465 (VPA-14)	01/02/2021 - 31/01/2022_MP 3rd	6574
Total ER			25,298

CCIPL, as a VVB, is therefore pleased to issue a positive verification opinion expressed in the attached Certification statement.

SECTION B. Verification team

B.1. Verification team, technical reviewer, and approver¹

Carbon Check (India) Private Ltd. has appointed a competent team as per the UNFCCC Accreditation Standard, GS4GG requirements, and CCIPL's internal procedures. Further details regarding team competence can be found in Appendix 2. The team is outlined below:

Sr. No.	Role	Type of resource	Last name	First name	Affiliation (e.g., name of central or other offices of VVB or outsourced entity)
1.	Team Leader/Technical Expert	IR	Sharma	Harish	CC IPL
2.	Trainee Assessor	IR	Yadav	Shalini	CC IPL
3.	Local Expert	ER	Naing	Win Sein	CC IPL
4.	Technical Reviewer	IR	C.	Indumathi	CC IPL
5.	Approver	IR	Agarwalla	Sanjay Kumar	CC IPL

SECTION C. Application of materiality in conducting the verification

C.1. Consideration of materiality in planning the verification

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	Human Error: Recording and reporting of the information in the ER spreadsheet.	Medium	<i>All the input data in the ER spreadsheet including the sales database, determination of parameters for efficiency testing including data calculation. This includes all the parameters to be monitored ex-post as per the.</i>	<i>The risk was mitigated by training the personnel involved in the data capture, and calculation and by following the monitoring responsibilities. The training records were reviewed. The verification team, based on the above, confirms that the risk is appropriately mitigated.</i>
2.	Information System: Use of spreadsheets without adequate controls related to data changes/updates,	Medium	<i>The data is recorded in spreadsheets based on the raw data collected during the field visits. The access to the</i>	<i>The identified risk was mitigated by managing access to the records. It was confirmed by the CME that the raw data is</i>

¹ Confirming to the GS requirements of paragraph 2.2 of RU 2020 PR - PR, V1.2 (validation and verification by same VVB), VVB confirms that it was not involved in any kind of validation activity of the project.

	version tracking, traceability, security		spreadsheets for calculation of ERs, monitoring and sales database, and Stove efficiency testing records is controlled.	collected by the field personnel and then transmitted and stored electronically to the CME's office. The organogram of the organization for the data collection and record-keeping was reviewed and found satisfactory. The data quality control is maintained by the CME.
3.	Accuracy of the measuring equipment	Low	Check the calibration records for the measurement equipment used for the efficiency test.	The risk due to the accuracy of the measuring equipment was ensured by planning to check the calibration certificates of the measuring equipment used for stove efficiency.
4.	Competence of personnel involved in conducting standardized tests.	Low	Interview of the personnel involved and check the training records/accreditation certificates (applicable in case of institutions) involved in conducting such tests.	The risk was mitigated by reviewing the training records of the personnel involved in conducting such tests and by following the monitoring responsibilities. For institutions involved in conducting such tests, their accreditation certificates were checked to establish their competence for conducting such tests. The training records and certificates were reviewed which were also confirmed during the verification.
5.	Sample	Medium	The sample size is not suitable or the surveyed stoves at the VPA level are not random.	Cross-check the procedure to identify the sample size against the sampling guideline and standard and confirm the sample size is calculated correctly.

C.2. Consideration of materiality in conducting the verification

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The project is a Micro-scale, project activity achieving total emission reductions of < 10,000 tons of CO₂e per year; as such, a 10 percent materiality threshold is applied. The threshold of materiality was evaluated based on §13 of Guideline “Application of materiality in verifications” Version 2.0 and §306 (e) of CDM VVS for PoAs, version 3.0. It was concluded that the materiality threshold applicable to the project activity based on actual emission reductions achieved is 10% which is calculated as follows.

S.No	VPAs	Emission Reduction (VERs) (tCO ₂ e)	Materiality threshold
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1	GS6129 (VPA-07)	3352	10% (336)
2	GS6338 (VPA-08)	3162	10% (317)
3	GS6599 (VPA-09)	4686	10% (469)
4	GS7394 (VPA-13)	7524	10% (753)
5	GS7465 (VPA-14)	6574	10% (658)

In planning the verification, the verification team took cognizance of §11 of the “Guideline: Application of materiality in verifications” Version 02.0. A materiality threshold of GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), is mentioned in the above table which is determined in line with §306 (e) of “CDM validation and verification standard for programmes of activities”, version 3.0.

Based on the above information, a risk analysis is carried out in the following activities:

1. Monitoring system including the data input procedure (including relevant personnel and applicable template forms used)
2. Copy of the agreement between household and Project Participant (s) (origin of data)
3. Stove unique ID system
4. ER sheet (application of data)
5. Data flow
6. Data control procedures
7. Monitoring survey records

In conducting the verification, VVB took cognizance of §13 of the guideline “Application of materiality in verifications” Version 02.0 and based on the input of data from different sources checked through a sampling of records. Data flow was checked through a comparison of data in hand-written forms, electronic databases, and ER sheet /02/. The competence of the personnel involved in conducting the stove efficiency testing, recording of data, and calculation of the emission reduction data has been checked by the verification team by means of a review of the training documents.

The risks identified can be mitigated through cross check with all sets of documents. The verification team performed the following checks to mitigate the effects of the above-identified sources of error:

Mitigation of Human error risks: The verification team mitigated the risk by checking the training records of the personnel and assessing their competencies, skills, monitoring/testing procedure followed, understanding of the monitoring survey forms, protocol and testing procedure, etc. Further, data was crosschecked with the ER calculation spreadsheet /02/ and the sample raw data.

Mitigation due to error in the Information system: Verification team by conducting interviews with the personnel responsible for such activities mitigated the risk due to errors in an information system. It was confirmed through interviews that the raw data is collected by the field personnel and then transmitted and stored electronically at CME’s office. The data quality control is maintained by the CME.

Accuracy of the measuring equipment: The risk due to inaccuracy in measurements was mitigated by reviewing the calibration certificates of all the project equipment.

Competence of personnel involved in conducting standardized tests: The verification team has reviewed the abilities, qualifications, and recognition of involved personnel and institutions of the

measuring team. The tests/procedures have been carried out by well-trained personnel. The training certificate of the personnel has been provided to the verification team in this respect.

Mitigation due to an error in Sampling: The verification team mitigated the risk by checking the list of random samples generated for monitoring surveys for VPAs, and the sample size calculation sheet.

In conducting the verification, VVB took cognizance of §13-17 of the Guideline: “Application of materiality in verifications” (version 2.0) and based on the input of data from different sources checked through sampling records.

Based on the assessment carried out, CCIPL confirms with a reasonable level of assurance that the claimed emission reductions are free from material errors, omissions, or misstatements.

SECTION D. Means of verification

D.1. Desk/document review

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The verification was performed primarily based on the review of the Monitoring report/01/ and the supporting documentation. This process included a review of data and information presented to verify their completeness and a review of the monitoring plan and monitoring methodology/B02/. Documents reviewed or referenced during the verification are listed in Appendix 3 below.

D.2. Deviation approval for not conducting onsite surveys for VPA07 and VPA08.

CME has applied deviation for not conducting the survey, which was satisfactory approved by sustainCert, and PP has provided Deviation /16/ as representative since there were movement restriction because of the military coup. PP conducted the satisfactory survey for VPA009 in the adjoining region. PP request sustainCert allow to use results from VPA 009 monitoring survey to stipulate the usage rate for VPA 007 and VPA 008. PP also propose that they will use lowest usage rate (conservative approach) and have monitored for the fourth-year operation of FES in the earlier monitoring surveys which were conducted before the military coup.

VVB has reviewed decision of the Deviation acceptance/16/ approval provided PP however VVB has assessed and checked the parameter for VPA 07 and VPA08 for which values have been considered from the VPA09. After considering the Deviation decision approval VVB has raised FAR 1 for the subsequent verification.

D.3. On-site inspection

In line with the guideline of GS4GG CME have applied a deviation request for the exclusion of on-site visit in replacement of remote audit considering security measures guidelines provided by GS4GG which is then approved by GS with an opinion and risk assessment provided by VVB, the collection of data for the remote audit of;

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 GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 14

In line with 4.1.1 (b) of “Site visit and remote audit requirement and procedures” version 02, and in line with 2.2.3 (i) of “Applicability of minimum site visit requirement by VVB” as informed by the Developer the site visit is not possible due to security conditions in Myanmar and the significant

impact of delaying the site visit on project developer due to timeline/commitments. Hence, referring to section 4.1.1 (b), VVB proposes to replace the mandatory on-site visit with a remote audit. The impact assessment has been carried out to analyse the risk associated with the non-conduction of mandatory physical on-site inspection for verification which is in line with the Annex 1 Risk assessment guideline of “Site visit and remote audit requirement and procedures” and the same is provided below.

The verification of data was collected as per the requirement of methodology and guidelines by conducting a remote interview of 8 end users under each VPAs. The verification team has carried out remote site interviews to assess the information included in the Monitoring report/01/. During the desk review, the relevant records related to project implementation and operation were checked, and implementing agency and beneficiary interviews were taken on a sampling basis.

The verification team applied a sampling approach for remote interviews as part of verification in accordance with paragraph 26 of the Standard: Sampling and surveys for CDM project activities and programs of activities, Version 09.0. In accordance with paragraph 28 of the sampling standard, acceptance sampling has been chosen by the verification team, and accordingly, the steps listed in paragraph 29 of the sampling standard were followed. So, in accordance with paragraph 39 (c) of the sampling standard the Verification team opted for AQL of 0.5% and UQL of 20%; producer risk of 10 %, and consumer risk of 20 % in determining the VVB's sample size for which the sample size (n) is 8 with acceptance number (c) 0.

The information provided in the monitoring survey, has been cross checked during remote interviews. As a part of acceptance sampling, the Verification team could confirm the monitoring survey data with no discrepant records. For each VPA, VVB interviewed 8 Samples, total 40 samples were taken by VVB which were calculated in accordance with Sampling and surveys for CDM project activities and programs of activities, Version 09.0./B04-a/. Thus, PP's set of records has been accepted in line with § 33 of the Sampling and surveys for CDM project activities and programmes of activities CDM sampling standard, version 09 /B04-a/.

The risk associated with the non-conduction of mandatory physical on-site inspection for verification.

Sr. No	Identification of potential risks	Mitigation measures	Risk Mitigated
1.	Risk associated to verify project implementation and operation with respect to the registered/included documents (PDD/PoA DD, CPADD)	During remote interviews by means of using audio/video call (as feasible) and real time photographs at the time of remote inspection, the name plate which includes capacities can be checked. Cross checking the same through other relevant documents such as statutory clearances. Logbooks/04/ can be checked randomly over video call/ by means of remote access, either synchronously (in real time) or asynchronously (when	☒ Yes ☐ No

		applicable) during remote inspection. screenshot of the logbooks can also be checked.	
2	Risk associated to verify implemented monitoring plan with the registered/included documents (PDD/PoA-DD, VPA-DD)/B03/ and applied baseline and monitoring methodology/B02/.	This risk can be mitigated by conducting remote interview via audio/video call with end users to cross check the Monitoring parameters described in certified versions of POA-DD / VPA-DD /B03/vis-à-vis their monitoring equipment/procedures and also to check records like logbooks, receipts and calibrations certificates etc.	☒ Yes ☐ No
3	Risk associated to verify that the actual monitoring systems and procedures comply with the monitoring systems and procedures described in the monitoring plan.	This risk can be mitigated during remote interview video call/video recording/a real time photo of the monitoring equipment along with make and model, to check whether calibration of each of the measuring equipment is done at intervals specified in the registered document (PDD/PoA DD/VPA DD). Furthermore, this can be cross verified by reviewing of all the calibration certificates and taking note of the date of calibration on each one for each specific monitoring equipment. Interviewing the relevant personnel to ensure that the calibration procedures are being followed as per the registered monitoring plan.	☒ Yes ☐ No
4	Risk associated to evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance on whether the reported GHG emission reduction data is free from material misstatement.	The identified risk can be mitigated by managing access to the records during audio/video calls. It can be verified whether a project has adequate controls related to data changes/updates, version tracking, traceability, security and whether data is reproduceable from the sample sheets. Furthermore, data quality	☒ Yes ☐ No

		control personnel can also be interviewed to establish the level of assurance.	
5	Risk associated to verify that reported GHG emission data is sufficiently supported by evidence.	The identified risk can be mitigated during remote interview by asking complete set of data for the monitoring period and Information provided in the monitoring report /01/can be cross-checked with other sources such as electricity/heat sales receipts/log. To check whether, calculations of baseline emissions and emission reduction/02/ has been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology. Furthermore, appropriate/correct emission factor value has been applied or not.	☒ Yes ☐ No
6	Any outstanding FAR(s)/pending issue(s) since the previous physical site visit.	The identified risk is mitigated by reviewing the previous Verification report and found that FAR were raised during last Monitoring Period in all % VPAs Which has been assessed during the current monitoring period and successfully closed .	☒ Yes ☐ No
7	Any gaps in monitoring data, if any, that cannot be justified as per applicable requirements.	As per the shared data no such gap exists for the proposed monitoring period.	☒ Yes ☐ No
8	Any design change(s)/temporary deviation(s) since the previous physical site visit.	The identified risk is mitigated by reviewing the previous verification report and found that design change is not available.	☒ Yes ☐ No

D.4. Interviews

Interviews of ICS user was taken by a Verification team. All surveys were conducted remotely considering security situation in Myanmar, each person was interviewed and photos of end users with photo IDs and GPS coordinates were taken as records. Submitted photos, snapshots, and ER sheets /02/maintained of the site survey were checked by the verification team to confirm.

The VV plan was shared with the CME on dated 22/09/2023. In line with the VV plan, the VVB team has interviewed the CME team members involved in the survey and the end users.

No.	Name	Organization	Date	Topic	Team member
/1/	Shailendra kewat	Soneva foundation	27/09/2023-29/09/2023	•Discussion on the stated goal and policy of the PoA. •Discussion on the sustainability, environmental impact, local stakeholders meeting procedure, baseline scenario, additionality, monitoring plan, Start date •Discussion on the GS registered VPA-DDs, eligibility criteria and its compliance, ongoing financial need, SDG impact, eligibility criteria for, safeguarding principles, stakeholder consultations and grievance mechanism in line with GS4GG, requirements.	Harish Sharma, Shalini yadav, Win Sein Naing
/2/	Yin Yin Yang	Mercy crops (implementation partner)	27/09/2023-29/09/2023	•Discussion on the stated goal and policy of the PoA. •Discussion on the sustainability, environmental impact, local stakeholders meeting procedure, baseline scenario, additionality, monitoring plan, Start date - Discussion on the GS registered VPA-DDs, eligibility criteria and its compliance, ongoing financial need, SDG impact, eligibility criteria for, safeguarding principles, stakeholder consultations and grievance mechanism in line with GS4GG, requirements.	Harish Sharma, Shalini yadav, Win Sein Naing
/3/	U Thaung Htay	End-User	27/09/2023-29/09/2023	•Up,y (Usage rate in project scenario p during year y)	Harish Sharma, Shalini yadav, Win sein Naing

				• Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/4/	Daw San	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing

				• Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/5/	U Kyaw Win	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/6/	Daw Htwe	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/7/	Daw Khin Nan	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing
/8/	Daw Khin Yi	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in	Harish Sharma, Shalini yadav, Win sein Naing

				expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/9/	U Hla Maung	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction	Harish Sharma, Shalini yadav, Win sein Naing

				• Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/10/	U Tin Hlaing	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/11/	U Pan Hmwe	End-User	27/09/2023- 29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/12/	U Aung Win	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing
/13/	U Ko Latt	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in	Harish Sharma, Shalini yadav, Win sein Naing

				expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/14/	Daw Tin Moe	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction	Harish Sharma, Shalini yadav, Win sein Naing

				• Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/15/	Htwe	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/16/	Daw Sandar Oo	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/17/	U Kyi Naing	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing
/18/	U Mg Kyi	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in	Harish Sharma, Shalini yadav, Win sein Naing

				expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/19/	Daw Khin Nwet	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction	Harish Sharma, Shalini yadav, Win sein Naing

				• Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/20/	U Kyaw Thein	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/21/	Daw Hla Hla	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/22/	U Aye Min	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing
/23/	Daw Nwe	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in	Harish Sharma, Shalini yadav, Win sein Naing

				expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/24/	Daw Mi Chaw	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction	Harish Sharma, Shalini yadav, Win sein Naing

				• Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/25/		End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training.	Harish Sharma, Shalini yadav, Win sein Naing
	Daw Tote				

				• Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/26/	Daw Nu Nu Win	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week.	Harish Sharma, Shalini yadav, Win sein Naing

				• Number of women serving in managerial/leadership /ownership role for the group of VPA's	
/27/	U Win Tun	End-User	27/09/2023-29/09/2023	• Up,y (Usage rate in project scenario p during year y) • Average household annual savings i.e., decrease in expenditure on wood fuel purchase. • Total estimated amount saved by stove users on wood fuel purchase for the group of VPA's • Smoke level reduction • Incidence of coughing reduction • Incidence of respiratory illness reduction • Incidence of itchy eyes reduction • Number of employees provided skill development training. • Number of workshops carried out for women per group of VPA's per year. • Average time saving associated with cooking time and fuel collection per woman per week. • Number of women serving in managerial/leadership /ownership role for the group of VPA's	Harish Sharma, Shalini yadav, Win sein Naing

Note : In line with the deviation/16/ for VPA 07and VPA08 sampling Survey has not been done however the conservative values of parameter has been used in VPA07&08, which has been taken from the VPA09.

D.5. Sampling approach

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As assessed in the above sections, emission reductions for the GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), are being claimed for this monitoring period and the total population of the stoves under all VPAs is as below:

S.No	VPAs	Number of ICS
1	GS6129 (VPA-07)	1743
2	GS6338 (VPA-08)	1649
3	GS6599 (VPA-09)	1603
4	GS7394 (VPA-13)	1947
5	GS7465 (VPA-14)	1804

The monitoring parameters required to be monitored through the sampling plan are:

1. Usage rate in project scenario p during year y ($U_{p,y}$)
2. Discount factor to account for the baseline stove use in project scenario p during the year y ($DF_{b, \text{ Stove}, y}$)

As per the 'Guideline: Sampling and surveys for CDM project activities and programmes of activities, version 04.0', paragraph 4. Sampling requirements point no 10 states, "Where there is no specific guidance in the applicable methodology, project proponents shall use 90/10 confidence/precision as the criteria for the reliability of sampling efforts for small-scale project activities". As per paragraph 4, project participants or the coordinating/managing entity have implemented the sampling and surveys according to the sampling plan in the registered monitoring plan. The verification includes determining:

- (a) Whether the required confidence/precision has been met.
- (b) Whether the selected sample was representative of the population.

Furthermore, the sampling plan implemented by the CME is in accordance with the applied approved monitoring methodology and the PoA-DD/VPA-DD/B03/. The CME has appropriately performed the Sampling procedure in line with the applied methodology and PoA-DD / VPA-DD/B03/.

The necessary confidence/precision of 90/10 for each of the parameters is met. This has been cross verified by the verification team from the supporting documents submitted. During this monitoring exercise.

SECTION E. Verification findings

E.1. General

E.1.1. Compliance of the monitoring report with the monitoring report form

Means verification	of	Document Review
Findings		-

Conclusion	CME has used the GS4GG template Monitoring Report, /01/. The verification team confirms that the latest available version of the monitoring report template has been used by the CME and the MR is in compliance with the monitoring report form and related template guide Monitoring Report, /01/. This confirms compliance with the §336 and §337 of CDM VVS for PoAs, version 3.0/B01/, and GS4GG requirements.
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E.1.2. Remaining forward action requests from validation and/or previous verifications

Detailed assessment on previous Forward action requests raised under VPA07, VPA08, VPA09, VPA013 & VPA014 has been mentioned under appendix 4.3 of the Verification report.

E.2. Programme of activities

E.2.1. Compliance of the program implementation with the registered program design document

Means of verification	Document Review, Interview
Conclusion	CCIPL by means of remote interview and document provided by the CME confirms that all physical features (technology, project equipment, and monitoring equipment) of the included VPAs in the PoA are in place and that the coordinating/managing entity has operated the PoA and the VPAs as per the PoA-DD and the VPA-DD/B03/. There was a deviation/15/ for exclusion of on-site visits in replacement of remote audits considering security measures guidelines provided by GS4GG which is then approved by GS with an opinion and risk assessment provided by VVB or proposed or actual changes in the implementation or operation of the PoA and the included VPA-DD/B03/. The verification team confirms the actual operation of the VPA and PoA implementation and operation in compliance with the PoA-DD / VPA-DD/B03/ in order to confirm the compliance of § 338, § 339, and § 340 of CDM VVS for PoA, Version 03.0 /B01/and GS4GG requirements.

E.2.2. Implementation and operation of the management system

Means of verification	Document Review, Interview
Conclusion	The PoA management system including the record-keeping system has been explained in the PoA. During verification, the verification team based on a review of provided documents and discussion on video conferencing has assessed this management system. The verification team evaluated the management systems in place to implement the monitoring of the project activity. This included the roles and responsibilities of the monitoring staff, data collection, transfer and aggregation procedures, data storage, and archiving procedure for the monitoring system.

	Monitoring surveys were conducted by the implementation partner of Mercy corps. To ensure the completeness and accuracy of monitoring information, an electronic database is operated and maintained by the VPA implementer. This information is further maintained by the CME. The data is further periodically checked by the CME to ensure there is no double counting. This provision for the avoidance of double counting as outlined in the PoA management system has been verified by means of review records of the sales database and on-site interviews during the course of verification. The responsibilities and authorities for monitoring and reporting are in accordance with the responsibilities and authorities stated in the monitoring plan provided in VPA-DD/B03/. The details about the monitoring system have been provided in the Monitoring report./01/ The verification team confirms that the monitoring management system of the GS4GG PoA is in place, with the responsibilities properly identified and in place. This confirms the compliance of § 338 (a) and § 345 (b) (iv) of CDM VVS PoA version 03.0 /B01/and GS4GG requirements.
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E.3. Voluntary project activities

E.3.1. Compliance of the VPA implementation with the included VPA design document

Means of verification	Document Review, Interview														
Conclusion	The implementation status of the PoA and the voluntary project activities is: <table border="1"> <tr> <td>Project Participants:</td><td>Soneva foundation & Mercy Corps</td></tr> <tr> <td>Title of PoA:</td><td>Myanmar Stoves Campaign</td></tr> <tr> <td>GS Reference No:</td><td> PoA – GS1729 VPAs- GS 6129 GS 6338 GS 6599 GS 7394 GS 7465 </td></tr> <tr> <td>Applied Baseline and monitoring methodology:</td><td>The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013./B02/</td></tr> <tr> <td>Project Scale:</td><td>Micro-scale</td></tr> <tr> <td>Location of the project activity:</td><td>Myanmar</td></tr> <tr> <td>Reported monitoring Period verified in this verification:</td><td> 1.GS6129 (VPA-07): 01/07/2020 - 30/06/2021_MP 4th 2.GS6338 (VPA-08): 01/07/2020 - 30/06/2021_MP 4th 3.GS6599 (VPA-09): 01/07/2020 - 30/06/2021_MP 4th 4.GS7394 (VPA-13): 01/01/2021 - 31/12/2021_MP 3rd </td></tr> </table>	Project Participants:	Soneva foundation & Mercy Corps	Title of PoA:	Myanmar Stoves Campaign	GS Reference No:	PoA – GS1729 VPAs- GS 6129 GS 6338 GS 6599 GS 7394 GS 7465	Applied Baseline and monitoring methodology:	The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013./B02/	Project Scale:	Micro-scale	Location of the project activity:	Myanmar	Reported monitoring Period verified in this verification:	1.GS6129 (VPA-07): 01/07/2020 - 30/06/2021_MP 4 th 2.GS6338 (VPA-08): 01/07/2020 - 30/06/2021_MP 4 th 3.GS6599 (VPA-09): 01/07/2020 - 30/06/2021_MP 4 th 4.GS7394 (VPA-13): 01/01/2021 - 31/12/2021_MP 3 rd
Project Participants:	Soneva foundation & Mercy Corps														
Title of PoA:	Myanmar Stoves Campaign														
GS Reference No:	PoA – GS1729 VPAs- GS 6129 GS 6338 GS 6599 GS 7394 GS 7465														
Applied Baseline and monitoring methodology:	The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013./B02/														
Project Scale:	Micro-scale														
Location of the project activity:	Myanmar														
Reported monitoring Period verified in this verification:	1.GS6129 (VPA-07): 01/07/2020 - 30/06/2021_MP 4 th 2.GS6338 (VPA-08): 01/07/2020 - 30/06/2021_MP 4 th 3.GS6599 (VPA-09): 01/07/2020 - 30/06/2021_MP 4 th 4.GS7394 (VPA-13): 01/01/2021 - 31/12/2021_MP 3 rd														

5.GS7465 (VPA-14): 01/01/2021 - 31/12/2021_MP 3rd

The VPAs distribute the improved cook stoves. The improved cook stoves (ICS) under the VPA use wood as fuel. These ICSs are efficient in transferring heat from the fuel to the pot, thus saving fuel (Wood) compared to the traditional stoves.

The number of stoves deployed under each VPAs has been confirmed by the monitoring database and as stated below:

SR. NO.	VPA	Number of ICS
1.	GS6129 (VPA-07)	1743
2.	GS6338 (VPA-08)	1649
3.	GS6599 (VPA-09)	1603
4.	GS7394 (VPA-13)	1947
5.	GS7465 (VPA-14)	1804

It was confirmed that Soneva Foundation is the Coordinating/Managing Entity for the PoA. The actual voluntary project activity/ies are in line with the VPAs. Mercy Corps is the VPA implementer for the VPAs.

The information (including data and variables) provided in the MR /01/ is in line with the details provided in the VPA-DD/B03/.

CC IPL's verification team considers the project description of the project contained in the PoA and the VPAs to be complete and accurate. The VPAs comply with the relevant methodology, tools, forms, and guidance.

In accordance with §344 (c) of CDM VVS for PoAs, version 3/B01/, the verification team confirms that there is no information (data and variables) in the current monitoring period that are different from that stated in the approved revised VPA-DD /B02/.

The verification team has assessed the project to check any proposed or actual changes to the project design in accordance with §267 of CDM VVS for PoAs, Version 3.0./B01/ In the opinion of CC IPL, there is no change to the project design. After reviewing the data shared by CME, CC IPL's verification team confirms that the VPAs are implemented within the boundary of the PoA as described in the PoA-DD.

CC IPL's verification team confirms that the VPAs are implemented within the boundary of the PoA as described in the PoA and the implementation and operation of the project activity have been conducted in accordance with the description contained in the PoA-DD and VPA-DD./B03/

The verification team took cognizance of § 338, § 339, and § 340 of the CDM VVS for PoA, version 03/B01/. The § 339 of CDM VVS for PoA states that if an on-site inspection is not conducted, the DOE shall justify the rationale of the decision. In line with the guideline of GS4GG CME has applied a deviation/15/ request for the exclusion of on-site visit in replacement of remote audits considering security measures guidelines provided by GS4GG which is then approved by GS with an opinion and risk assessment provided by VVB, the collection of data for the remote

	audit of “GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 007 (GS 6129), GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 008(GS 6338), GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 009(GS 6599), GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 0013(GS7394), GS1729 Myanmar Stoves Campaign - Soneva in Myanmar – VPA No. 0014(GS7465), was done by the Soneva foundation and Mercy Corps. Hence, in line with the requirement and approved deviation/15/ remote site visit was conducted for the verification
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E.3.2. Compliance with the registered monitoring plan with applied methodologies and standardized baselines

Means verification	of Document Review, Interview
Conclusion	The verification team can confirm that the monitoring plan contained in the VPAs is in accordance with the approved methodology applied by the project activity, i.e., The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013/B02/. The monitoring plan is in accordance with the approved methodology, The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013/B02/ is applied by the component project activities and as provided in the VPA. The verification took cognizance of § 341 to § 343 of CDM VVS for PoAs, Version 03.0 /B01/and GS4GG requirements.

E.3.3. Compliance of monitoring activities with the registered monitoring plan

The monitoring has been carried out in accordance with the monitoring plan contained in the VPA-DD. This conclusion has been made based on the assessment below.

E.3.3.1. Data and parameters fixed ex-ante or at the renewal of crediting period.

Means verification	of Document Review, Interview
Conclusion	The verification team confirms that the Data and parameters fixed ex-ante are in compliance with the VPAs and the monitoring plan. Please refer to Appendix 5 for a detailed analysis of the ex-ante parameters. The verification took cognizance of § 344 of CDM VVS for PoAs, Version 03.0 /B01/and GS4GG requirements.

E.3.3.2. Data and parameters monitored.

Means verification	of Document Review, Interview
Conclusion	The Verification team confirms that the Data and parameters monitored are in compliance with the VPA-DD and the monitoring plan. A complete assessment of each of the monitored parameters has been provided in Appendix 6 of this report. The verification took cognizance of § 344, § 345, § 356 and §357 of CDM VVS for PoAs, Version 03.0/B01/ and GS4GG Requirements.

E.3.3.3. Implementation of sampling plan

Means verification	of Document Review, Interview
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Conclusion	Monitoring surveys were conducted during the current monitoring period. The total population of the stoves under VPA considered for the monitoring period is 8746 for all 5 VPAs. The monitoring parameters required to be monitored through the sampling plan are: 1. The average usage rate of the appliance ($U_{p, y}$) 2. Discount factor to account for usage of baseline cookstove during the year y in project scenario p ($DF_{b, Stove, y}$) Across VPA random sampling was applied for the VPA by CME for the selection of the monitoring samples with 90/10 confidence/precision for all the parameters of annual monitoring which is deemed acceptable as per the PoA and VPAs. Applying the random number generator, the ICS were randomly picked from the defined population up to the required sample size as calculated by the CME. The verification team confirms that the applied method for sample size calculation is in accordance with the PoA-DD / VPA-DD./B03/ To calculate the efficiency of the cookstove (DF_n) Discount factor to account for the efficiency loss of the project cook stoves considered as a 1% loss per year in the efficiency given by the manufacturer. The sampling plan implemented by the CME is in accordance with the applied approved monitoring methodology and the PoA/ VPA-DD/B03/. The CME has appropriately performed the Random Sampling procedure in line with the applied methodology and is best suited for this type of project. As the PoA mentions the option for a random Sampling procedure, it is acceptable to the verification team. VVB confirms necessary confidence/precision of 90/10 for each of the parameters is met. This has been cross verified by the verification team from the supporting documents submitted. The verification team applied a sampling approach for remote interviews as part of verification in accordance with paragraph 26 of the Standard: Sampling and surveys for CDM project activities and programs of activities, Version 09.0. In accordance with paragraph 28 of the sampling standard, acceptance sampling has been chosen by the verification team, and accordingly, the steps listed in paragraph 29 of the sampling standard were followed. So, in accordance with paragraph 39 (c) of the sampling standard the Verification team opted for AQL of 0.5% and UQL of 20%; producer risk of 10 %, and consumer risk of 20 % in determining the VVB's sample size for which the sample size (n) is 8 with acceptance number (c) 0. The information provided in the monitoring survey, has been cross checked during remote interviews. As a part of acceptance sampling, the Verification team could confirm the monitoring survey data with no discrepant records. Thus, PP's set of records has been accepted in line with § 33 of the Sampling and surveys for CDM project activities and programmes of activities CDM sampling standard, version 09 /B04-a/. The verification took cognizance of "The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013"/B01/
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E.3.4. Compliance with the calibration frequency requirements for measuring instruments

Means of verification	Document Review
Conclusion	CME has considered a 1% loss per year in efficiency given by cookstove manufacturer hence no device is used for measurement. Hence this point in Not applicable.

E.3.5. Emission Reduction Quantification

Assessment of data and calculation of emission reductions or net removals in line with the requirement of the Gold Standard Methodology. The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013/B02/ the verification team has reviewed the Monitoring report /01/ and ER spreadsheets /02/ to check the arithmetic calculation of the emission reductions. The equation used for the calculation is compared with those provided in the VPA and The Gold Standard Methodology. The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013. /B02/

E.3.5.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

Means of verification	Document Review, Interview
Conclusion	When the baseline fuel and the project fuel are different and/or the emission factors are different, the overall GHG reductions achieved by the project activity in year y are calculated as follows: $ER_y = \sum_{0 \text{ to } 1}^{x \text{ to } y} N_{p,y} * P_y * U_{p,y} * (f_{NRB,y} * E_{Fb, \text{fuel}, CO_2} + EF_{b, \text{fuel}, non_CO_2}) * (1 - DF_{b, \text{Stove}, y})$ Where: $N_{p,y}$ Number of projects cookstoves of each age group operational in the year y P_y Quantity of firewood that is saved in the year y (tones per household in year y) $U_{p,y}$ Usage rate for project cookstoves in year y, based on adoption rate and drop off rate revealed by usage surveys (fraction) $f_{NRB,b,y}$ Fraction of biomass, used in year y for baseline scenario, which can be established as non-renewable. $EF_{b, \text{fuel}, CO_2}$ CO2 emission factor of firewood that is substituted or reduced. (Default value for wood fuel 1.747 tCO2/ton of wood) $EF_{b, \text{fuel}, non_CO_2}$ Non-CO2 emission factor of firewood that is substituted or reduced. (IPCC Fifth Assessment Report: Climate Change (IPCC AR5) value for wood fuel 0.58 tCO2/ton of wood) $DF_{b, \text{Stove}, y}$ Usage of baseline cookstove during the year y (fraction) in project scenario x y – 1 y Year of the crediting period

Determination of quantity of biomass saved (P_y):

Quantity of fire wood that is saved (P_y) is estimated as follows:

$$P_y = B_{b,y} * (1 - \frac{\eta_b}{\eta_{p,y}})$$

Where:

$B_{b,y}$	Quantity of firewood consumed in baseline scenario during year y (tonnes per household per year)
$\eta_{p,y}$	Efficiency of project cookstove in year y (fraction)
η_b	Efficiency of the baseline cookstove being replaced (fraction). A default value of 10% shall be used if the replaced cookstove is a three stone fire, or a conventional device without a grate or a chimney i.e., with no improved combustion air supply or flue gas ventilation

Determination of project cookstove efficiency ($\eta_{p,y}$ and η_p):

Efficiency of project cookstove in year y ($\eta_{p,y}$) is estimated as follows:

$$\eta_{p,y} = \eta_p * (DF_\eta)^{y-1} * 0.94$$

Where

$\eta_{p,y}$	Efficiency of project cookstove in year y (fraction)
η_p	Efficiency of project cookstove (fraction) determined at the start of the project activity
DF_η	Discount factor to account for efficiency loss of project cookstove per year of operation (Fraction). The default value for this parameter is 0.99 i.e., 1% efficiency loss/year.
0.94	Adjustment factor to account for uncertainty related to project cookstove efficiency test

From the above equation and the parameter values, emission reductions for the period as follows calculated as:

SR. NO.	VPA	Monitoring period and Number	Emission Reduction (VERs) (tCO ₂ e)
1	GS6129 (VPA-07)	01/07/2020-30/06/2021_MP 4 th	3352
2	GS6338 (VPA-08)	01/07/2020-30/06/2021_MP 4 th	3162
3	GS6599 (VPA-09)	01/02/2021-31/01/2022_MP 4 th	4686
4	GS7394 (VPA-13)	01/01/2021-31/12/2021_MP 3 rd	7524
5	GS7465 (VPA-14)	01/02/2021-31/01/2022_MP 3 rd	6574
Total			25,298

	The verification team confirms that the calculation of baseline emission and emission reductions is in accordance with the applied methodological equation and the VPAs. Calculations have been checked and confirmed from the ER spreadsheet/02/. The verification took cognizance of § 356 of CDM VVS for PoA, version 03.0/B01/ and GS4GG requirements.		

E.3.5.2. Calculation of project GHG emissions or actual net GHG removals by sinks

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NA.

E.3.5.3. Calculation of leakage GHG emissions

Means of verification	Document Review, Interview
Conclusion	As per para 6 of the applied methodology, the CME has conducted the survey to analyse the applicability of leakage emissions. It is found that the project activity doesn't qualify for any of the criteria for considering leakage emission. Hence, As defined under The Gold Standard Simplified Methodology/B02/ for Efficient Cookstoves, the net emission reductions (ER _y) for a Micro-scale programme of activities (POA) need to be discounted by a factor of 0.95 to account for leakages related to non-renewable biomass saved by the project activity.

E.3.5.4. Summary of calculation of GHG emission reductions or net GHG removals by sinks

Means of verification	Document Review, Interview																					
Conclusion	The verification team confirms that all parameters are used correctly in the calculations, all results are verifiable and transparent, all assumptions are described and based on verifiable evidence, and calculations are done in accordance with the pre-defined formulae from VPAs. The total number of ERs achieved during the monitoring period for VPAs is below: <table><tr><th>SR. NO.</th><th>VPA</th><th>Emission Reduction (VERs) (tCO_{2e})</th></tr><tr><td>1.</td><td>GS6129 (VPA-07)</td><td>3352</td></tr><tr><td>2.</td><td>GS6338 (VPA-08)</td><td>3162</td></tr><tr><td>3.</td><td>GS6599 (VPA-09)</td><td>4686</td></tr><tr><td>4.</td><td>GS7394 (VPA-13)</td><td>7524</td></tr><tr><td>5.</td><td>GS7465 (VPA-14)</td><td>6574</td></tr><tr><td colspan="2">Total</td><td>25,298</td></tr></table> In summary, the verification team confirms that the actual emission reduction is lower than the estimate of the VPAs for the current monitoring period.	SR. NO.	VPA	Emission Reduction (VERs) (tCO _{2e})	1.	GS6129 (VPA-07)	3352	2.	GS6338 (VPA-08)	3162	3.	GS6599 (VPA-09)	4686	4.	GS7394 (VPA-13)	7524	5.	GS7465 (VPA-14)	6574	Total		25,298
SR. NO.	VPA	Emission Reduction (VERs) (tCO _{2e})																				
1.	GS6129 (VPA-07)	3352																				
2.	GS6338 (VPA-08)	3162																				
3.	GS6599 (VPA-09)	4686																				
4.	GS7394 (VPA-13)	7524																				
5.	GS7465 (VPA-14)	6574																				
Total		25,298																				

	The verification took cognizance of § 356 of CDM VVS PoAs, version 03/B01/, and GS4GG requirements.			
Title and UNFCCC reference number of the VPA	Baseline emissions or baseline net GHG removals by sinks (tCO ₂ e)	Project emissions or actual net GHG removals by sinks (tCO ₂ e)	Leakage (tCO ₂ e)	GHG emission reductions or net GHG removals by sinks (tCO ₂ e)
				Amount achieved in the monitoring period
GS6129 (VPA-07)	-	-	-	3352
GS6338 (VPA-08)	-	-	-	3162
GS6599 (VPA-09)	-	-	-	4686
GS7394 (VPA-13)	-	-	-	7524
GS7465 (VPA-14)	-	-	-	6574

E.3.5.5. Comparison of actual GHG emission reductions or net GHG removals by sinks with estimates in included VPA.

Means of verification	Document Review
Findings	-
Conclusion	A comparison of the actual GHG emission reductions with the estimates in the included specific VPA is given in the below table. The verification team took cognizance of § 356 of CDM VVS for PoAs, version 03, and GS4GG requirements.

Title and UNFCCC reference number of the VPA	Value estimated in an ex-ante calculation in the included VPA-DD(s)	Actual values achieved by the VPAs during this monitoring period
GS6129 (VPA-07)	10,000	3352
GS6338 (VPA-08)	8597	3162
GS6599 (VPA-09)	8526	4686
GS7394 (VPA-13)	10,000	7524
GS7465 (VPA-14)	9606	6574

E.3.5.6. Remarks on difference from estimated value in included VPA.

Means of verification	Document review
Findings	-
Conclusion	No remarks on estimated VERs as the value calculated is less than the ex-ante value in registered VPA-DD/B03/.

E.3.6. Assessment of reported sustainable development co-benefits.

Means of verification	Document Review, Interview
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Findings	-
Conclusion	The Verification team confirms that the data and parameters monitored related to sustainable development co-benefits are in compliance with the VPAs and the monitoring plan. A complete assessment of each of the monitored parameters has been provided in Appendix 6 of the verification report. The verification took cognizance of § 359 - §361 of CDM VVS for PoAs, Version 03.0/B01/ GS4GG Requirements

SECTION F. Internal quality control

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The final verification report passed a technical review. A technical reviewer qualified in accordance with the CCIPL's qualification scheme for CDM validation and verification has performed the technical review.

SECTION G. Verification opinion

>>

Carbon Check (India) Private Ltd. has performed the third verification of the GS Programme of Activities" GS 1340 "Myanmar Stoves Campaign in Myanmar" (thereafter referred to as "Programme of Activities or PoA") for the GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14),

The verification team assigned by the VVB concludes that the PoA (Version 4.0, dated 21.09.2016), GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), as described in the VPA-DD and the Monitoring report/01/, meet all relevant GS4GG requirements and requirements of the UNFCCC for CDM project activities including article 12 of the Kyoto Protocol and paragraph 62 of CDM M&P, the modalities and procedures for CDM (Marrakesh Accords) and the subsequent decisions by the COP/MOP and CDM Executive Board.

Verification methodology and process:

The Verification team confirms the contractual relationship/08/ signed on 16/01/2023 between the VVB, Carbon Check (India) Private Ltd., and SustainCert the entity authorized by Co-ordinating Managing Entity/ Project Participant, (soneva foundation and Mercy corps). The team assigned to the verification meets the Carbon Check (India) Private Ltd.'s internal procedures including the UNFCCC and GS requirements for the team composition and competence. The verification team has conducted a thorough contract review as per UNFCCC and Carbon Check's procedures and requirements.

The verification is being performed as per the requirements described in the CDM VVS for PoAs, version 03.0, and GS4GG requirements and constitutes the review and completion of the following steps:

- Reviewing the PoA GS1729 (Version 4.0 dated 21.09.2016), the GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), to include the monitoring plan and the corresponding verification report.
- Previous verification and certification reports and the monitoring reports for the previous monitoring periods.

- Desk review of the validation report, MR, and other relevant documents including documents related to the project activities in emission reductions.
- Review of the applied monitoring methodology (Simplified Methodology for Efficient Cookstoves, Version 01, February 2013).
- Review of any CMP and EB decisions, clarifications, and guidance.
- Resolution of CARs and CLs raised during verification.
- Issuance of Verification Report.

The voluntary project activities were correctly implemented according to the selected monitoring methodology, monitoring plan, and VPA/s. The monitoring system was installed, and maintained in a proper manner, while collected monitoring data allowed for the verification of the amount of achieved GHG emission reductions. Through the review, the verification team confirms that the PoA has resulted in the emission reductions as mentioned below during their respective monitoring period and achieved SDG benefits as detailed in Appendix 6 for the period.

Verified emission reductions:

SR. NO.	VPA	Emission Reduction (VERs) (tCO _{2e})
1.	GS6129 (VPA-07)	3352
2.	GS6338 (VPA-08)	3162
3.	GS6599 (VPA-09)	4686
4.	GS7394 (VPA-13)	7524
5.	GS7465 (VPA-14)	6574
Total		25,298

The sustainable development contribution achieved during this monitoring period is shown in Appendix 6. CC IPL as a VVB is therefore pleased to issue a positive verification opinion in the attached Certification statement.

SECTION H. Certification statement

>>

Carbon Check (India) Private Ltd., the VVB, has performed the verification of the GS Programme of Activities, GS 1340 “Myanmar Stoves Campaign” in “Myanmar”. The PoA involves the replacement of less efficient three-stone cooking stoves with improved energy-efficient cooking stoves which are more efficient. The activity involves the distribution and maintenance of domestic and non-domestic improved cookstoves (ICS) through local implementation partners (IP). The improved cookstoves (ICS) distributed under VPA are more efficient in transferring heat from the fuel to the pot when compared to the three-stone stove typically used in the baseline. By replacing inefficient stoves, the PoA will save on the consumption of woody biomass/charcoal and reduces GHG emissions.

The voluntary project activities of the Programme of Activities are designed to generate emission reductions by the distribution of fuel-efficient wood fuel-based cookstoves in Burkina Faso. The CME and VPA implementer is responsible for the collection of data in accordance with the monitoring plan and reporting GHG emissions reductions from the voluntary project activity/ies. It is VVB’s responsibility to express an independent verification statement on the reported GHG emission reductions from the component project/s. The VVB does not express any opinion on the selected baseline scenario or on the validated and registered PoA-DD/VPA-DD/B03/. The verification is carried out in line with the CDM VVS/B01/ and GS4GG requirements.

The verification was performed to identify the compliance of the component project with implementation and monitoring requirements and to verify the actual amount of emission reductions achieved by the project, through obtaining evidence that included.

- i) Checking whether the provisions of the monitoring methodology and the monitoring plan were consistently and appropriately applied and
- ii) The collection of evidence supporting the reported data.

The verification is based on:

- PoA, Version 4.0 dated 21.09.2016.
- GS6129 (VPA-07), GS6338 (VPA-08), GS6599 (VPA-09), GS7394 (VPA-13), GS7465 (VPA-14), are included in the PoA and its monitoring plan for the monitoring period is from for all 05VPAs are as follows:

SR. NO.	VPA	Monitoring period and Number
1.	GS6129 (VPA-07)	01/07/2020 - 30/06/2021_MP 4 th
2.	GS6338 (VPA-08)	01/12/2020 - 30/11/2021_MP 4 th
3.	GS6599 (VPA-09)	01/02/2021- 31/01/2022_MP 4 th
4.	GS7394 (VPA-13)	01/01/2021 - 31/12/2021_MP 3 rd
5.	GS7465 (VPA-14)	01/02/2021 - 31/01/2022_MP 3 rd

- Approved GS monitoring methodology Gold Standard Methodology Simplified Methodology for Efficient Cookstoves, Version 01, February 2013/B02/
- Validation report for the PoA and the VPA.
- For VPA 07 Monitoring report Version 4.0 dated 05/11/2023.
- For VPA 08 Monitoring report Version 4.0 dated 05/11/2023.
- For VPA 09 Monitoring report Version 3.0 dated 03/10/2023.
- For VPA13 Monitoring report Version 3.0 dated 03/10/2023
- For VPA 14 Monitoring report Version 3.0 dated 03/10/2023:
- This statement covers the verification period as follows:

SR. NO.	VPA	Monitoring period and Number
1.	GS6129 (VPA-07)	01/07/2020 - 30/06/2021_MP 4 th
2.	GS6338 (VPA-08)	01/12/2020 - 30/11/2021_MP 4 th
3.	GS6599 (VPA-09)	01/02/2021- 31/01/2022_MP 4 th
4.	GS7394 (VPA-13)	01/01/2021 - 31/12/2021_MP 3 rd
5.	GS7465 (VPA-14)	01/02/2021 - 31/01/2022_MP 3 rd

(Inclusive of both the dates).

The VVB had raised One (01) Forward action Request, two (09) clarifications, and twenty -five (15) Corrective action requests which have been resolved by the CME.

The VVB considers it necessary to give reasonable assurance that reported GHG emission reductions were calculated correctly on the basis of the monitoring methodology and that the monitoring plan contained in the VPAs is fairly stated.

The VVB, hereby certifies that the project activity achieved emission reductions by sources of GHG equal to the table below for the period for all 05 VPAs are as follows:

SR. NO.	VPA	Monitoring period and Number
1.	GS6129 (VPA-07)	01/07/2020 - 30/06/2021_MP 4 th
2.	GS6338 (VPA-08)	01/12/2020 - 30/11/2021_MP 4 th
3.	GS6599 (VPA-09)	01/02/2021- 31/01/2022_MP 4 th
4.	GS7394 (VPA-13)	01/01/2021 - 31/12/2021_MP 3rd
5.	GS7465 (VPA-14)	01/02/2021 - 31/01/2022_MP 3rd

(inclusive of both the dates).and achieved SDG benefits as detailed in Appendix 6 for the period and all monitoring requirements have been fulfilled and is substantiated by an audit trail that contains evidence and records.

Product Vintage for all 5 VPAs is mentioned below.

For VPA07-

Start Dates	End Dates	Amount Achieved (VERs) (tCO _{2e})
01/07/2020	31/12/2020	1682
01/01/2021	30/06/2021	1670
Total		3352

For VPA08-

Start Dates	End Dates	Amount Achieved (VERs) (tCO _{2e})
01/12/2020	31/12/2020	263
01/01/2021	30/11/2021	2899
Total		

For VPA09-

Start Dates	End Dates	Amount Achieved (VERs) (tCO _{2e})
01/02/2021	31/12/2021	429
01/01/2022	31/01/2022	391
Total		4686

For VPA013-

Start Dates	End Dates	Amount Achieved (VERs) (tCO _{2e})
01/01/2021	31/12/2021	7524

For VPA14-

Start Dates	End Dates	Amount Achieved (VERs) (tCO _{2e})
01/02/2021	31/12/2021	5689
01/01/2022	31/01/2022	518
Total		6206

SR. NO.	VPA	Emission Reduction (VERs) (tCO _{2e})
1.	GS6129 (VPA-07)	3352
2.	GS6338 (VPA-08)	3162
3.	GS6599 (VPA-09)	4686
4.	GS7394 (VPA-13)	7524
5.	GS7465 (VPA-14)	6574
Total		25298

Appendix 1. Abbreviations

Abbreviations	Full texts
AQL	Acceptable Quality Limit
CDM	Clean Development Mechanism
VER	Verified Emission Reduction
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Ltd.
CL	Clarification Request
CME	Co-ordinating and Managing entity
VPA	Voluntary Project Activity
VPA-DD	Voluntary Project Activity Design Document
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
DR	Document review
DVR	Draft Verification Report
EB	Executive Board
EF	Emission Factor
FAR	Forward Action Request
FVR	Final verification Report
GHG	Greenhouse gas(es)
GS4GG	Gold Standard for the Global Goals
I	Interview
IPCC	Intergovernmental Panel on Climate Change
IR	Internal resource
ER	External Resource
MP	Monitoring Period
MR	Monitoring Report
PoA	Programme of Activities
PoA-DD	Programme of Activities Design Document
PP	Project Participant
QC/QA	Quality control /Quality assurance
SDG	Sustainable Development Goal
TA	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
UQL	Unacceptable Quality Limit
VVS	Validation and Verification Standard
VVB	Validation & Verification Body
WBT	Water boiling test
ICS	Improved cook stove

Appendix 2. Competence of team members and technical reviewers



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Harish Sharma

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

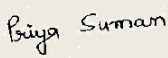
☒ Validator	☒ Verifier	☒ Team Leader	☒ Technical Expert
☐ Technical Reviewer	☐ Health Expert	☐ Gender Expert	☐ Plastic Waste Expert
☐ CCB Expert	☐ Legal Expert	☒ Financial Expert	☐ Environmental, Health and Safety financial matters
☒ SDG+	☒ Social no-harm(S+)	☒ Environment no-harm(E+)	
☒ Local Expert for India			

in the following Technical Areas:

☒ TA 1.1	☒ TA 1.2	☐ TA 2.1	☒ TA 3.1	☐ TA 4.1
☐ TA 4. n	☐ TA 5.1	☐ TA 5.2	☐ TA 7.1	☐ TA 8.1
☐ TA 9.1	☐ TA 9.2	☐ TA 10.1	☒ TA 13.1	☐ TA 13.2
☐ TA 14.1	☐ TA 15.1	☐ TA 16.1		

Issue Date

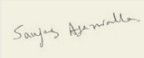
5th December 2023



Ms. Priya Suman
Compliance Officer

Expiry Date

31st December 2024



Mr. Sanjay Kumar Agarwalla
Technical Director

Revision History of the document:

Revision date	Summary of changes
2022	Initial Adoption
Jan 2023	Annual revision
Dec 2023	Change in the template due to revision in TA and function

CCIPL_FM 7.9 Certificate of Competency_V4.0_112023

¹ Please refer to previous version of FM 7.9 for the revision history



Carbon Check (India) Private Limited

Certificate of Competency

Ms. Indumathi C

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|--|--|---|---|
| ☒ Validator | ☒ Verifier | ☒ Team Leader | ☒ Technical Expert |
| ☒ Technical Reviewer | ☐ Health Expert | ☐ Gender Expert | ☒ Plastic Waste Expert |
| ☐ CCB Expert | ☐ Legal Expert | ☒ Financial Expert | ☐ Environmental, Health and Safety financial matters |
| ☒ SDG+ | ☒ Social no-harm(S+) | ☒ Environment no-harm(E+) | |
| ☒ Local Expert for India and Sri Lanka | | | |

in the following Technical Areas:

- | | | | | |
|--|--|----------------------------------|---|---|
| ☒ TA 1.1 | ☒ TA 1.2 | ☐ TA 2.1 | ☒ TA 3.1 | ☐ TA 4.1 |
| ☐ TA 4. n | ☐ TA 5.1 | ☐ TA 5.2 | ☐ TA 7.1 | ☐ TA 8.1 |
| ☐ TA 9.1 | ☐ TA 9.2 | ☐ TA 10.1 | ☒ TA 13.1 | ☒ TA 13.2 |
| ☐ TA 14.1 | ☐ TA 15.1 | ☐ TA 16.1 | | |

Issue Date
5th December 2023

Expiry Date
31st December 2024

Priya Suman

Ms. Priya Suman
Compliance Officer

Sanjay Agarwalla

Mr. Sanjay Kumar Agarwalla
Technical Director

Revision History of the document:

Revision date	Summary of changes
2022 ¹	Annual revision
Jan 2023	Annual revision
Dec 2023	Change in the template due to revision in TA and function

CCIPL_FM 7.9 Certificate of Competency_V4.0_112023

¹ Please refer to previous version of FM 7.9 for the revision history

Appendix 3: Referenced documents.

Ref. no .	Reference Document
/01/	MR
	1.VPA 007 (GS 6129) -(Fourth Term) V4-Monitoring-Report dated: 05/11/2023.
	2.VPA 008 (GS 6338) -(fourth Term) V4-Monitoring-Report dated: 05/11/2023.
	3.VPA 009 (GS 6599) -(Fourth Term) V3-Monitoring-Report dated :03/10/2023.
	4.VPA 013 (GS 7394) -(Third Term) V3-Monitoring-Report dated :03/10/2023.
	5.VPA 014 (GS 7465) -(Third Term) V3-Monitoring-Report dated: 03/10/2023
/02/	ER sheet.
	1. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation
	2. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation
	3. VPA 009 (Fourth Term) - Ex-Post Emission Reduction Calculation
	4. VPA 13 (third Term) - Ex-Post Emission Reduction Calculation
	5. VPA 14 (third Term) - Ex-Post Emission Reduction Calculation
/03/	VPA07(GS6129)- Project -Annual -Report -Form
	VPA08(GS6338)- Project -Annual -Report -Form
	VPA09(GS6599)- Project -Annual -Report -Form
	VPA013(GS7394)- Project -Annual -Report -Form
	VPA014(GS7465)- Project -Annual -Report -Form
/04/	VPA07(GS6129)- No grievance declaration
	VPA08(GS6338)- No grievance declaration
	VPA09(GS6599)- No grievance declaration
	VPA013(GS7394)- No grievance declaration
	VPA014(GS7465)- No grievance declaration
/05/	VPA 007 (GS6129) - List of sales agents - fourth term

	VPA 008 (GS6338) - List of sales agents - fourth term
	VPA 009 (GS6599) - List of sales agents - fourth term
	VPA 013 (GS7394) - List of sales agents - third term
/06/	Approval from SC/GS mail communication for correction start date of crediting period in registry /VPA-DD
/07/	VPA 007 (GS 6129) - Baseline Survey Report - March 2018
	VPA 008 (GS 6338) - Baseline Survey Report - Myanmar Stoves Campaign
	VPA 009 (GS 6599) - Myanmar Stoves Campaign - Baseline Survey Report – Fourth Term
	VPA 013 (GS 7394) - Myanmar Stoves Campaign - Baseline Survey Report - (Third Term)
	VPA 014 (GS 7465) - Myanmar Stoves Campaign - Baseline Survey Report (Third Term)
/08/	VPA 007 (GS 6129)- End User Database (Fourth Term)
	VPA 008 (GS 6338) - End User Database (Fourth Term)
	VPA 009 (GS 6599) - End User Database – Fourth Term
	VPA 013 (GS 7394) - End User Database - (Third Term)
	VPA 014 (GS 7465) - End User Database (Third Term)
/09/	SOW signed between VVB and PP signed on 16/01/2023
/10/	SuperSaver GL(M-5000) Test report
/11/	VPA 007 (GS 6129) - SDG-Impact-Tool (Fourth Term)
	VPA 008 (GS 6388) - SDG-Impact-Tool (Fourth Term)
	VPA 009 (GS 6599) - SDG-Impact-Tool
	VPA013 (GS 7394) - SDG-Impact-Tool
	VPA 014 (GS 7465) SDG-Impact-Tool (Third Term)
/12/	Training
	Agenda for VPA training to staff
	Awareness training attendance
/13/	Sample survey form
/14/	VPA 007 (GS 6129) - Project Monitoring Survey Result (Fourth Term)

	VPA 008 (GS 6388) - Project Monitoring Survey Result (Fourth Term)
	VPA 009 (GS 6599) - Project Monitoring Survey Result - Fourth Term
	VPA 013 (GS 7394) - Project Monitoring Survey Result (Third Term)
	VPA 014 (GS 7465) - Project Monitoring Survey Result (Third Term)
/15/	Deviation form for exclusion of remote audit.
/16/	Deviation approval for not conducting physical surveys for VPA07 and VPA0

Background documents reviewed or referenced.

Ref no.	Reference Document
/B01/	1. CDM Validation and Verification Standard version 03
/B02/	Applied baseline and monitoring methodology: The Gold Standard Simplified Methodology for Efficient Cookstoves, Version 01, February 2013.
/B03/	VPA-DDs and POA-DD 1. GS6129 (VPA-07) PDD_10.04.2018_v4. 2. GS6338 (VPA-08) PDD_10.03.2018_v2 3. GS6599 (VPA-09) PDD_11.27.2018_v5. 4. GS7394 (VPA-13) PDD_10.09.2019_v4. 5. GS7465 (VPA-14) PDD_10.09.2019_v4 • PoA, Version 4.0 dated 21.09.2016
/B04/	1. Gold Standard Principles and Requirements version 1.2, 2. Gold Standard Programme of Activity Requirements version 2, 3. GS Validation & Verification Body Requirements version 2.0, 4. GS community activity requirement and Project activities version 1.2
/B05/	Community Services Activity Requirements (version 1.2) under GS4GG https://globalgoals.goldstandard.org/200-gs4gg-community-services-activity-requirements/
/B06/	1. Standard for sampling and surveys for CDM PAs and PoAs, version 09 2. Guidelines for sampling and surveys for CDM project activities and programme of activities (version 04.0).

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

4.1 Clarifications (CLs)

CLID	01	Section no.	KPI	Date:10/04/2023
Description of CL				
CME shall				
1. Correct the indexing of the Key Project Information in line as per MR template.				
2. CME shall submit the last annual report to VVB for the assessment.				
Project participant response				Date: 06/06/2023
1.The key project information indexing has been in line with GS MR template.				
2.The Annual report has been submitted along with this submission.				
Documentation provided by project participant				
Annual report				
Revised MR				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that the key project information indexing is now in line with GS MR template and Annual report has been provided by the CME.				
CL is closed.				

CL ID	02	Section no.	NA	Date:10/04/2023
Description of CL				
CME to demonstrate how project fulfil the “requirement for the project developer and recommendation (non-binding)” suggested in Deviation request form by GS.				
Project participant response				Date: 06/06/2023
Project developer has taken the photographic evidence with end user and the cookstove. Same has been included in the section C of the MR.				
Documentation provided by project participant				
Revised MR.				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that PP has added the non-binding recommendation the photographic evidence with the end user and the cookstove. The same has been included in the section C of the revised MR.				
CL is closed.				

CL ID	03	Section no.	A.1	Date:10/04/2023
Description of CL				
The Efficiency of the cookstove i being used in the project scenario mentioned in section A.1 and B.6.3 of the MR are not consistent with specification mentioned in the manufacturer's website. CME shall update the source link with the correct specification.				
Project participant response				06/06/2023
The link has been updated by the manufacturer. PP has submitted the third-party test report of the stoves as the documentary evidence.				
Documentation provided by project participant				
Third Party Source				
GS VVB assessment				Date: 31/08/2023
VVB has assessed, under section A.1 and B.6.3 of the MR and found that the link has been updated in the revised MR. Also, CME has provided third-party test report of the stoves as the documentary evidence.				
CL is Closed.				

CL ID	04	Section no.	A.1	Date:10/04/2023
Description of CL				
CME to update the working weblink for M5000 Super Saver GL in section A.1.				
Project participant response				Date: 06/06/2023
PP has updated the working weblink for M5000 Super Saver GL in the section A.1 of the revised MR.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that the working weblink for M5000 Super Saver GL in the section A.1. CL is closed				

CL ID	05	Section no.	NA	Date:10/04/2023
Description of CL				
CME to share the training records of the team involved in project survey and KPT.				
Project participant response				Date: 06/06/2023
The training records of the project activity including project survey & KPT has been submitted with this submission.				
Documentation provided by project participant				
<i>Project Survey form</i> <i>KPT form</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the and found that PP has provided the training attendance sheet and photographs. CL is closed				

CL ID	06	Section no.	D	Date:10/04/2023
Description of CL				
The weblink provided for the source of parameter 'Default values of fraction of non-renewable biomass for least developed countries and small island developing states' (Fnrb,y) is not working. CME shall update the source link. Furthermore, the endorsement of Mercy Corps for the parameter shall be submitted for VVB assessment.				
Project participant response				Date: 06/06/2023
The web link for the source of the parameter 'Default values of fraction of non-renewable biomass' has been revised & update the source link in the revised documents.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that CME has update the web link for the source of the parameter 'Default values of fraction of non-renewable biomass'. CL is closed.				

CL ID	07	Section no.	G.1	Date:10/04/2023
Description of CL				
CME to clarify how the Continuous Input and Grievance Mechanism is ensured for stakeholders, what are the means by which a stakeholder can raise a grievance, how the stakeholders are made aware of grievance mechanism. Furthermore, CME to submit Grievance register/logbooks snapshots for this monitoring period.				

Project participant response	Date: 06/06/2023
PP has a continuous grievance input mechanism, which is through the phone. Since end users are based at remote villages it is practically not possible for them to reach out in person, hence they address their issues over phone. A declaration has been submitted by the PP for no grievance received during current monitoring period	
Documentation provided by project participant	
<i>Declaration letter</i>	
GS VVB assessment	Date: 31/08/2023
VVB has assessed the declaration and clarification provided by CME, found that the continuous grievance input mechanism has been registered through the phone call and this mechanism is maintained since the start of the project activity furthermore CME has confirmed that there no grievance received during current monitoring period. CL is closed.	

CL ID	08	Section no.	G.3	Date:10/04/2023
Description of CL				
CME to provide declaration against no legal contests/disputes and grievance received during the current monitoring period.				
Project participant response				Date: 06/06/2023
The declaration for no legal contests/disputes and grievances received during the current monitoring period is submitted along with this submission to the assessment team.				
Documentation provided by project participant				
<i>Declaration – No legal Disputes</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the declaration provided against no legal contests/disputes and grievance received during the current monitoring period. Which deems to be acceptable. CL is closed				

CL ID	09	Section no.	E	Date:10/04/2023
Description of CL				
Number of cookstoves calculated after multiplying with the drop off rate should be rounded down instead of rounding up.				
Project participant response				Date: 06/06/2023
Project Proponent has revised the formula for rounding up to round down. Hence revised MR.				
Documentation provided by project participant				
<i>Revised MR.</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that CME has revised the formula to round down. CL is closed.				

4.2 CARs

CAR specific to VPA 6129 (VPA No. 07)

CAR ID	10	Section no.	KPI	Date: 10/04/2023
Description of CAR				
CME shall 1. Correct the GS ID of the programme in Key project information table. 2. Correct the title of the programme in Key project information table.				

3. in Key Project Information table indicate the date when the last annual report was submitted, please note that the column shall not be left blank.	
Project participant response	Date: 06/06/2023
Project Proponent has corrected the following in the revised MR: - 1.The GS ID of the programme in key project information table. 2. The title of the programme in Key project information table. 3.The last annual report submitted date is mentioned in the key project information.	
Documentation provided by project participant	
<i>Annual report</i> <i>Revised MR</i>	
GS VVB assessment	Date: 31/08/2023
VVB has assessed the revised MR and found that there is no change in the VPA-07 of KPI section, CME has corrected the required changes. CAR is closed	

CAR ID	11	Section no.	KPI	Date: 10/04/2023
Description of CAR				
Under table 2, product vintages should be corresponding to the actual vintages achieved during each vintage year instead of using average.				
Project participant response				Date: 06/06/2023
Project proponent has included the actual vintages achieved during each vintage year is included in table 2 of the revised MR.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that CME has corrected the product vintages corresponding to the actual vintages achieved during each vintage year instead of using average. CAR is closed.				

CAR ID	12	Section no.	A.1	Date: 10/04/2023
Description of CAR				
CME to update the working weblink for M5000 Super Saver GL in section A.1.				
Project participant response				Date: 06/06/2023
PP has updated the working weblink for M5000 Super GL in section A.1 of the revised MR.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has reviewed the revised MR and found that CME has corrected the working weblink for M5000 Super GL in section A.1 CAR is closed.				

CAR ID	13	Section no.	D	Date: 10/04/2023
Description of CAR				
CME shall clarify the change in value applied (0.580 tCO ₂ / t Firewood) for Non-CO ₂ emission factor for use of firewood in baseline scenario as compared to value (0.455 tCO ₂ /t Firewood) reported in the certified VPA DD version 4.				
Project participant response				Date: 06/06/2023
This was changed based on the GS comments on taking the latest GWP value for the CH ₄ . Hence it was changed to the 0.58				

Documentation provided by project participant	
GS VVB assessment	Date: 31/08/2023
VVB has assessed the MR and found that the change in value applied (0.580 tCO ₂ / t Firewood) for Non-CO ₂ emission factor was based on the GS comments on taking the latest GWP value for the CH ₄ . Hence it was changed to the 0.58. CAR is closed.	

CAR ID	14	Section no.	D	Date: 10/04/2023
Description of CAR				
CME to justify the value considered for parameter "Discount factor to account for efficiency loss n of project cookstoves (DFn)" for this monitoring period as during last monitoring period the DFn was considered as 92%. Furthermore, the parameter to be corrected in ER calculation sheet too.				
Project participant response				Date: 06/06/2023
PP has incorporated the parameter "Discount factor to account for efficiency loss n of project cookstoves (DFn)" in line with registered VPA DD.				
Documentation provided by project participant				
<i>ER Sheet</i> <i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised ER sheet and MR and found that CME has incorporated the parameter "Discount factor to account for efficiency loss n of project cookstoves (DFn)". CAR is closed.				

CAR ID	15	Section no.	D.3	Date: 10/04/2023
Description of CAR				
In section D.3, the value obtained from last monitoring period to be updated to 0.92 instead of 0.93				
Project participant response				Date: 06/06/2023
PP has incorporated section D.3 in line with registered VPA DD. Hence Revised VPA DD.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has the assessed the revised MR and found that CME has corrected the value of DFn obtained from last monitoring period to 0.92. CAR is closed.				

CAR ID	16	Section no.	E.2	Date: 10/04/2023
Description of CAR				
Average HH size mentioned in section E.2 of the MR is not consistent with the ER Sheet. CME to correct the average HHs Size in the ER sheet and update the SDG 3 in MR accordingly.				
Project participant response				Date: 06/06/2023
PP has updated the average HH Size mentioned in the section E.2 of the MR in line with ER Sheet. Hence Revised MR.				
Documentation provided by project participant				
<i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023

VVB has assessed the revised MR and found that CME has corrected the Average HH size mentioned in section E.2 of the MR is now consistent with the ER Sheet.
 CAR is closed.

CAR ID	17	Section no.	E	Date: 10/04/2023
Description of CAR				
CME to provide the source data against SDG 8 i.e., informal jobs created.				
Project participant response				Date: 06/06/2023
The Supporting evidence for SDG 8 is hereby submitted along with this submission.				
Documentation provided by project participant				
Project tracking file				
GS VVB assessment				Date: 31/08/2023
PP has provided the list of sales agents which included the number of employees / sales agents for each VPA which indicates the indirect creation of jobs. CAR is closed .				

CAR specific to VPA 6599 (VPA No. 08)

CAR ID	18	Section no.	KPI	Date: 10/04/2023
Description of CAR				
Correct the GS ID of the programme in Key project information table.				
Project participant response				Date: 06/06/2023
The GS ID of the programme in the key project information table has been incorporated.				
Documentation provided by project participant				
Revised MR				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that CME has corrected the GS ID of the programme in key project information table. CAR is closed.				

CAR ID	19	Section no.	A.1	Date: 10/04/2023
Description of CAR				
Start date of crediting period as per GS registry project page is 01/07/2017 instead of 01/12/2017. CME to clarify the inconsistency.				
Project participant response				Date: 06/06/2023
The start date of crediting period is already consistent with the registered VPA DD. PP will mail SustainCert to make the date consistent with registered VPA DD.				
Documentation provided by project participant				
Revised MR				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the mail submission done by PP to correct the Start date of crediting period which has been considered by SustainCert for correction which deems acceptable to VVB. CAR is closed.				

CAR ID	20	Section no.	D	Date: 10/04/2023
Description of CAR				
CME to justify the value considered for parameter "Discount factor to account for efficiency loss n of project cookstoves (DFn)" for this monitoring period as during last monitoring period the DFn				

was considered as 92%. Furthermore, in ER calculation sheet the parameter is assumed as 98%, CME shall correct the ER sheet.	
Project participant response	Date: 06/06/2023
PP has incorporated the "Discount factor to account for efficiency loss n of project cookstoves (DFn) in line with registered VPA DD. Hence Revised MR.	
Documentation provided by project participant	
Revised MR	
GS VVB assessment	Date: 31/08/2023
VVB has assessed the revised ER sheet and MR and found that CME has incorporated the parameter "Discount factor to account for efficiency loss n of project cookstoves (DFn)". CAR is closed.	

CAR ID	21	Section no.	D.3	Date: 10/04/2023
Description of CAR				
In section D.3, the value obtained from last monitoring period to be updated to 0.92 instead of 0.93				
Project participant response				Date: 06/06/2023
PP has updated section D.3 in the revised MR.				
Documentation provided by project participant				
Revised MR				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and found that CME has corrected the value of DF_n to 0.92 instead of 0.93 under section D.3 of the MR of VPA08.				
CAR is closed.				

CAR ID	22	Section no.	KPI	Date: 10/04/2023
Description of CAR				
Correct the GS ID title of the programme in Key project information table.				
Project participant response				Date:06/06/2023
PP has updated the GS ID for the MR in the key project information.				
Documentation provided by project participant				
Revised MR				
GS VVB assessment				Date: 31/08/2023
VVB has reviewed revised MR and found that PP has updated the GS ID for the MR in the key project information.				
CAR is closed.				

CAR specific to VPA 7394 (VPA No. 13)

CAR ID	23	Section no.	E	Date: 10/04/2023
Description of CAR				
VVB team assessed that the Quantity of firewood consumed for cooking in baseline scenario during year y is correctly applied in the ER calculation sheet however, the same should be consistent with the value mentioned in ER sheet and the certified DD. CME shall update the value in the MR.				
Project participant response				Date: 06/06/2023
PP has updated the Quantity of firewood consumed for cooking value in the revised MR inline with registered VPA DD.				
Documentation provided by project participant				
Revised MR				

GS VVB assessment	Date: 31/08/2023
VVB has assessed the revised MR and found that CME has updated the Quantity of firewood consumed for cooking value is now in line with the registered VPA-DD. CAR is closed.	

CAR specific to VPA 7465 (VPA No. 14)

CAR ID	24	Section no.	E	Date: 10/04/2023
Description of CAR				
CME to share evidence of the campaign records of 71 awareness events for the SDG 13 "Improving education, awareness-raising, and human and institutional capacity on climate change, mitigation, impact reduction and early warning.				
Project participant response				Date: 06/06/2023
PP will submit the supporting evidence along with this submission to the assessment team.				
Documentation provided by project participant				
<i>Supporting Evidence – Awareness events.</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the document "project tracking sheet and found that CME has maintained the campaign awareness records in sheet, CAR is closed.				

CAR ID	25	Section no.	E	Date: 10/04/2023
Description of CAR				
CME shall correct the SDG 3 value. Moreover, the worksheet shared for the SDG impact tool need to be updated for the assumptions and SDG value should be calculated.				
Project participant response				Date: 06/06/2023
PP has corrected the SDG 3 Calculation & same has been revised in the revised MR.				
Documentation provided by project participant				
<i>Revised ER Sheet</i> <i>Revised MR</i>				
GS VVB assessment				Date: 31/08/2023
VVB has assessed the revised MR and ER sheet and found that CME has corrected the SDG 3 Calculation which is now consistent with both ER sheet and MR. CAR is closed.				

4.3 FAR from this Verification

For VPA07 and VPA08

FAR ID	01	Section no.	NA	Date: 05/12/2023
Description of FAR				
CME shall ensure the subsequent verification of the involved VPAs 07 and VPA08 mandatorily involve a physical onsite visit by the VVB.				

4.4 FAR from previous Verification

VPA 07

FAR ID	01
Description of FAR	
For monitoring sampling survey, PP shall select only stoves which are the part of end user database. PD and VVB are asked to clarify how this was addressed and validated.	

Project participant response	
PD has maintained a user database for the VPA and villages are selected randomly from this user database for the survey. The users which were surveyed are part of the end user database which was prepared during VPA implementation.	
Documentation provided by project participant	
NA	
GS VVB assessment	
VVB has reviewed the database provided for the VPAs and concluded that the villages are selected randomly from the original database of survey and the users which were surveyed are the part of the end-user/stakeholders of given database.	

VPA 08

FAR ID	01
Description of FAR	
The households shall be pre-selected during sampling as the list of households for each village is available to avoid potential risk of bias in sampling.	
Project participant response	
PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed	
Documentation provided by project participant	
na	
GS VVB assessment	
PP has used the random generator in excel, sample surveys carried out following a random sampling approach for each age-group of the project stove. The minimum number of sample sizes shall be selected following the guidelines provided in section 4.2, option (b) of the POA-DD. Sampling list of household for each village is available to avoid potential risk of bias in sampling .	

FAR ID	02
Description of FAR	
The PP shall ensure transparency of the monitoring process by developing the sampling protocol, using the online random number generators (e.g. https://www.random.org/ or similar website) and maintaining the screenshot for random number generation and villages, household selection for the monitoring survey and submitting for next issuance request".	
Project participant response	
PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed.	

Documentation provided by project participant	
na	
GS VVB assessment	
PP has used the excel random generator and the same has been submitted with the responses, these were random choices by the PP, each village had the same probability of being chosen as sample. List of villages are recorded under the implementation partner, and which has been During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed. Which seems appropriate and acceptable to VVB.	

VPA09

FAR ID	01
Description of FAR	
PD shall submit proof regarding the trainings conducted in line with the deviation request- The local stove sales agent shall be trained on how to carry out the project surveys. These trainings shall be documented and presented to the VVB at time of audit.”	
Project participant response	
Training records have already been provided to the VVB	
Documentation provided by project participant	
training records	
GS VVB assessment	
VVB has assessed training proof documents during the desk reviews and remote interviews and confirm the same with the stakeholders about the training, the local stove sale agents have been trained on how to carry out the project’s surveys VVB has checked the awareness training, attendance sheet and agenda of the training which found to be appropriate and suitable to VVB	

FAR ID	02
Description of FAR	
PP shall revise the monitoring survey questionnaire for the next verification and the questions asking frequency of use shall be consistent for both baseline and project stoves.	
Project participant response	
This has already been taken care and survey results have been shared with the VVB.	
Documentation provided by project participant	
NA	
GS VVB assessment	
VVB has reviewed the sample survey provided by the PP which includes the revised monitoring survey questionnaire regarding the frequency of use baseline and the project stove. Which seems to be appropriate and acceptable to VVB.	

VPA 13

FAR ID	01
Description of FAR	
The PP shall ensure transparency of the monitoring process by developing the sampling protocol, using the online random number generators (e.g. https://www.random.org/ or similar websites) and maintaining the screenshot for random number generation and villages, household selection for the monitoring survey and submitting for next issuance request	
Project participant response	

PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed.

Documentation provided by project participant

na

GS VVB assessment

PP has used the excel random generator and the same has been submitted with the responses, these were random choices by the PP, each village had the same probability of being chosen as sample. List of villages are recorded under the implementation partner, and which has been During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed. Which seems appropriate and acceptable to VVB.

FAR ID 02

Description of FAR

The households shall be pre-selected during sampling as the list of households for each village is available to avoid potential risk of bias in sampling.

Project participant response

PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed.

Documentation provided by project participant

na

GS VVB assessment

PP has used the random generator in excel, sample surveys carried out following a random sampling approach for each age-group of the project stove. The minimum number of sample sizes shall be selected following the guidelines provided in section 4.2, option (b) of the POA-DD. Sampling list of household for each village is available to avoid potential risk of bias in sampling .

VPA 14

FAR ID 01

Description of FAR

To ensure transparency of sampling process, the PP shall use the online number generator or other traceable techniques. The PP shall maintain the screenshots of random number generation/evidence for the random selection of villages and households for monitoring surveys. All evidence shall be submitted together with the following request for issuances

Project participant response

PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed.

Documentation provided by project participant

na

GS VVB assessment

PP has used the excel random generator and the same has been submitted with the responses, these were random choices by the PP, each village had the same probability of being chosen as sample. List of villages are recorded under the implementation partner, and which has been During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed. Which seems appropriate and acceptable to VVB.

FAR ID 02

Description of FAR

In accordance with the OO observations, PD shall justify that there is greater awareness among users towards the stove warranty terms and conditions for the next verification.

Project participant response

PD with the help of implementation partner provide the awareness training regularly to the end users, where stove warranty and terms and conditions explained to the users. Project tracking file has the details of such trainings, same has been submitted with the responses.

Documentation provided by project participant

na

GS VVB assessment

PP along with the implementation partner has provided the awareness training program awareness training regularly to the end users, where stove warranty and terms and conditions explained to the users. Project tracking file has the details of such trainings, same has been submitted with the responses, which has been reviewed and checked by the VVB and found to be appropriate and acceptable to VVB.

FAR ID 03

Description of FAR

PD shall inform about the replacement plan for the new stove model in accordance with OOs comments during 1st verification

Project participant response

PD is not replacing the stoves. They are using the credits for the one lifetime of the stoves.

Documentation provided by project participant

NA

GS VVB assessment

PP has clarified that PP is not replacing the stoves, PP has claimed that cookstoves are not being replaced if nonfunctional before the completion of lifetime of the cookstove. PP is claiming the credit on the basis of periodic usage survey rate

FAR ID	04
Description of FAR	
PP is requested to submit the scanned attendance list and training materials for the monitored parameter: "Number of: i) Village Level Awareness Raising Events and ii) Attendance" prior to next verification. In the next verification, the PP must provide the electricity, water bills, financial report of the regional office to prove that the office has been closed during MP2 period.	
Project participant response	
Project tracking file along with the training material and photographs has been submitted with the responses.	
Documentation provided by project participant	
NA	
GS VVB assessment	
PP has submitted the scanned attendance list and training materials for the monitored parameter: "Number of i) Village Level Awareness Raising Events and ii) Attendance. In the current verification, PP has provided the electricity, water bills, and financial report of the regional office to prove that the office has been closed during MP2 period. Which seems appropriate and acceptable to VVB	

FAR ID	05
Description of FAR	
The PP shall pre-selected the households during sampling as the list of households for each village is available to avoid potential risk of bias in sampling.	
Project participant response	
PP has used random generator in excel, same has been submitted with the responses. These were random choices by the PP with the care that each village had the same probability of being chosen as sample. This list of villages was then handed over to the Implementation Partner (IP) by the PP and the IP led the data collection part in these villages with experienced enumerators. During this exercise, the enumerators could choose random households and not any specific ones to ensure each of the households in these villages has an equal chance of being interviewed.	
Documentation provided by project participant	
NA	
GS VVB assessment	
PP has used the random generator in excel, sample surveys carried out following a random sampling approach for each age-group of the project stove. The minimum number of sample sizes shall be selected following the guidelines provided in section 4.2, option (b) of the POA-DD. Sampling list of household for each village is available to avoid potential risk of bias in sampling .	

Appendix 5. Data and parameters fixed ex-ante.

SDG 13: Climate Action

Parameter	$EF_{b, \text{fuel, CO}_2}$
Data unit:	tCO ₂ /t firewood
Default values used:	1.747
Purpose of data	To calculate VERs
Source and Verification of the source	IPCC default values, table 1.4 of chapter 1 of Vol. 2, 2006 IPCC Guidelines for National Greenhouse Gas Inventories

Parameter	$EF_{b, \text{fuel, non_CO}_2}$
Data unit:	tCO ₂ /t firewood
Default values used:	0.58
Purpose of data	To calculate VERs
Source and Verification of the source	IPCC default value, table 1.4 of Chapter 1 of Vol.2, 2006 IPCC Guidelines for National Greenhouse Gas Inventories

Parameter	η_b
Data unit:	Fraction
Default values used:	0.10
Purpose of data	To calculate VERs
Source and Verification of the source	The default value as per the GS methodology.

Parameter	η_p
Data unit:	percentage
Default values used:	29.7%
Purpose of data	To calculate VERs
Source and Verification of the source	VVB has checked the document provided to prove the efficiency of ICS i.e. "Manufacturer's website" section on the specifications project stove Envirofit M5000 (Supersaver GL) (Reference: Weblink)"

Parameter	$f_{NRB,b,y}$
Data unit:	Fraction
Default values used:	0.95
Purpose of data	To calculate VERs
Source and Verification of the source	Default NRB value provided by the CDM executive board and endorsed by the host country DNA (http://www.fao.org/docrep/004/Y1997E/y1997e21.htm)

Parameter	$B_{b,y}$
Data unit:	t/hh/a (tons firewood per household per annum)
Default values used:	VPA-07 – 4.219 VPA-08 – 4.219 VPA-09 – 4.219 VPA-13 – 4.219 VPA-14 – 4.219
Purpose of data	To calculate VERs

Source and Verification of the source	The value was derived from ex-ante baseline surveys.
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Parameter	$LE_{p,i,y}$
Data unit:	fraction
Default values used:	0.95
Purpose of data	To calculate VERs
Source and Verification of the source	Default value

Appendix 6. Data and parameters monitored.

Relevant SDG Indicator	SDG 13: Take urgent action to combat climate change and its impacts
Data/parameter:	$U_{p,y}$
Unit	Percentage
Description	Usage rate for project cookstove in year y, based on adoption rate and drop off rate as per usage surveys
Measured/calculated/default	Measured
Source of data	Annual Monitoring
Value(s) of monitored parameter	VPA07:52.63% VPA08:52.63% VPA09:52.63% VPA13:87.5% VPA14:87.39%
Monitoring equipment	Household Surveys
Measuring/reading/recording frequency:	Measuring and Recording Annually
Calculation method (if applicable):	Not Applicable
QA/QC procedures:	A representative sample of project cookstove end-users was selected for follow-up by the monitoring and evaluation team. A visit to conduct surveys with households verified information in the distribution database and determine usage drop-off rates.
Purpose of data:	To calculate VERs
Additional comments:	A usage parameter is derived for each age group of project cookstove being credited. Project survey sample size 111 households.
VVB Assessment	VVB has assessed the “1. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 2. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 3. VPA 009 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 4. VPA 13 (third Term) - Ex-Post Emission Reduction Calculation (1) 5. VPA 14 (third Term) - Ex-Post Emission Reduction Calculation (1) $U_{p,y}$, which was found in line with the MR and ER sheet values mentioned same has been checked by VVB during end-user interviews and confirmed that the values mentioned are correct.

Relevant SDG Indicator	SDG 13: Take urgent action to combat climate change and its impacts
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Data/parameter:	N_{p,y}
Unit	Number of project cookstoves credited (units)
Description	Cookstove in the project database for project scenario p through year y
Measured/calculated/default	Measured
Source of data	End User Database
Value(s) of monitored parameter	VPA07:1743 VPA08:1649 VPA09:1603 VPA13: 1947 VPA14: 1804
Monitoring equipment	Sale Record Entries
Measuring/reading/recording frequency:	Annual
Calculation method (if applicable):	Not Applicable
QA/QC procedures:	Transparent data analysis and reporting
Purpose of data:	To calculate VERs
Additional comments:	The total sales record is divided based on project scenario to create the project database.
VVB Assessment	VVB has assessed the “1. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 2. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 3. VPA 009 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 4. VPA 13 (third Term) - Ex-Post Emission Reduction Calculation (1) 5. VPA 14 (third Term) - Ex-Post Emission Reduction Calculation (1) ” Against N _{p,y} which was found in line with the values mentioned same has been checked by VVB and confirmed that the values mentioned are correct.

Relevant SDG Indicator	SDG 13: Take urgent action to combat climate change and its impacts
Data/parameter:	DF_n
Unit	Fraction
Description	Discount factor to account for efficiency loss n of project cookstoves
Measured/calculated/default	Default
Source of data	Fixed default value from the methodology.

Value(s) of monitored parameter	VPA07: 0.91 & 0.92 VPA08: 0.91 VPA09: 0.91 VPA13: 0.92 VPA14: 0.98 & 0.97
Monitoring equipment	NA
Measuring/reading/recording frequency:	Annual
Calculation method (if applicable):	Not Applicable
QA/QC procedures:	Transparent data analysis and reporting
Purpose of data:	To calculate VERs
Additional comments:	Not Applicable
VVB Assessment	VVB has assessed the MR and ER sheet and concluded that DF_n is default value and being used from a methodology that is in line with the requirement.

Relevant SDG Indicator	SDG 13: Take urgent action to combat climate change and its impacts
Data/parameter:	DF_{b, Stove, y}
Unit	Fraction
Description	Discount factor to account for usage of baseline cookstove during the year y in project scenario p
Measured/calculated/default	Measured
Source of data	Annual Monitoring
Value(s) of monitored parameter	VPA07: 33.08% VPA08: 33.08% VPA09: 6167% VPA13: 22.46% VPA14: 28.85%
Monitoring equipment	Household Surveys
Measuring/reading/recording frequency:	Annual
Calculation method (if applicable):	Not Applicable
QA/QC procedures:	Transparent data analysis and reporting
Purpose of data:	To calculate VERs
Additional comments:	The discount factor for baseline-stove is determined based on a number of meals cooked using the baseline stove. The required information shall be captured through sample surveys carried out following a random sampling approach for each age-group of the project stove. The minimum number of sample sizes shall be selected following the guidelines provided in section 4.2, option (b) of the POA-DD.

VVB Assessment	VVB has assessed the “1. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 2. VPA 007 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 3. VPA 009 (Fourth Term) - Ex-Post Emission Reduction Calculation (1) 4. VPA 13 (third Term) - Ex-Post Emission Reduction Calculation (1) 5. VPA 14 (third Term) - Ex-Post Emission Reduction Calculation (1) against $DF_{b, stove, 1}$ which was found in line with the values mentioned same has been checked by VVB during remote visit and confirmed that the values mentioned are correct.
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Sustainable Development Contributions Achieved

Sustainable Development Goals Targeted	SDG Impact	Amount Achieved	Units/ Products
		Amount achieved from 01 st January 2021 to 31 st December 2021	
SDG 13: Climate Action	A) Emission Reduction	VPA-07: 3352 VPA-08: 3162 VPA-09: 4686 VPA-13: 7524 VPA-14: 6574	VERs
	B) Improving education, awareness-raising, and human and institutional capacity on climate change, mitigation, impact reduction and early warning.	VPA-08: 2351 VPA-09: 1775 VPA-14: 2630	
SDG3: Good health and well being	Improvement of health and safety by reducing the number of mortality rate attributed to household and ambient air pollution	VPA-07: 5615 VPA-08: 4192 VPA-09: 4075 VPA-13: 7649 VPA-14: 6889	People
SDG7 : Affordable and clean energy	Improvement in energy efficiency in cooking practices.	VPA-07: 1163 VPA-08: 868 VPA-09: 844 VPA-13: 1704 VPA-14: 1577	Households
SDG 8:	Informal job creation in non-agricultural sector	VPA-07: 46 VPA-08: 88 VPA-09: 64 VPA-13: 36	Informal jobs created

APPENDIX 7. Assessment of Safeguarding Principles

Safeguarding Principles	Assessment Questions/ Requirements	How Project will achieve Requirements through design, management or risk mitigation.	Verification team assessment
Principle 1. Human Rights	1. The Project Developer and the Project shall respect internationally proclaimed human rights and shall not be complicit in violence or human rights abuses of any kind as defined in the Universal Declaration of Human Rights	No human rights violation risks are envisaged in the PoA.	The PoA involves the dissemination of improved cook stove which users are free to choose. There are no human risks envisaged during the dissemination of cookstoves. No mitigation measure is required. The validation team confirms that PoA fulfils the GS requirement outlined in para 3.2.3 of the GS4GG safeguarding principles requirements version 1.2.
	2. The Project shall not discriminate with regard to participation and inclusion	NA.	NA.
Principle 2. Gender Equality	1. The Project shall not directly or indirectly lead to/contribute to adverse impacts on gender equality and/or the situation of women (a) Sexual harassment and/or any forms of violence against women – address the multiple risks of gender-based violence, including sexual exploitation or human trafficking.	Not relevant	This is not relevant for the project activity.
	(b) Slavery, imprisonment, physical and mental drudgery, punishment or	Not relevant	This is not relevant for the project activity.

	coercion of women and girls.		
	(c) Restriction of women's rights or access to resources (natural or economic).	Not relevant	This is not relevant for the project activity.
	(d) Recognise women's ownership rights regardless of marital status – adopt project measures where possible to support to women's access to inherit and own land, homes, and other assets or natural resources.	Not relevant	This is not relevant for the project activity.
	2. Projects shall apply the principles of non-discrimination, equal treatment, and equal pay for equal work: (a) Where appropriate for the implementation of a PoA/VPA, paid, volunteer work or community contributions will be organised to provide the conditions for equitable participation of men and women in the identified tasks/activities.	Not relevant	This is not relevant for the project activity.
	(b) Introduce conditions that ensure the participation of women or men in Project activities and benefits based on pregnancy, maternity/paternity leave, or marital status.	Not relevant	This is not relevant for the project activity.

	(c) Ensure that these conditions do not limit the access of women or men, as the case may be, to PoA/VPA participation and benefits.	Not relevant	This is not relevant for the project activity.
	3. The Project shall refer to the country's national gender strategy or equivalent national commitment to aid in assessing gender risks	Not relevant	This is not relevant for the project activity.
	4. (where required) Summary of opinions and recommendations of an Expert Stakeholder(s)	Not relevant	This is not relevant for the project activity.
Principle 3. Community Health, Safety and Working Conditions	The Project shall avoid community exposure to increased health risks and shall not adversely affect the health of the workers and the community	NA.	NA.
Principle 4.1 Sites of Cultural and Historical Heritage	Does the Project Area include sites, structures, or objects with historical, cultural, artistic, traditional or religious values or intangible forms of culture?	Not relevant	This is not relevant for the project activity.
Principle 4.2 Forced Eviction and Displacement	Does the Project require or cause the physical or economic relocation of peoples (temporary or permanent, full or partial)?	Not relevant	This is not relevant for the project activity.
Principle 4.3 Land Tenure and Other Rights	Does the Project require any change, or have any uncertainties	Not relevant	This is not relevant for the project activity.

	related to land tenure arrangements and/or access rights, usage rights or land ownership?		
Principle 4.4 Indigenous People	Are indigenous peoples present in or within the area of influence of the Project and/or is the Project located on land/territory claimed by indigenous peoples?	Since this is a cookstove distribution project, there is no risk to land/territory claimed by indigenous peoples. Cookstoves will be distributed to all willing customers within the project boundary.	This is not relevant for the project activity.
Principle 5. Corruption	The Project shall not involve, be complicit in or inadvertently contribute to or reinforce corruption or corrupt Projects	NA.	NA.
Principle 6.1 Labour Rights	1. The Project Developer shall ensure that all employment is in compliance with national labour occupational health and safety laws and with the principles and standards embodied in the ILO fundamental conventions	To ensure there is no forced labour of any kind with the project.	Project activity involves dissemination of improved cook stove, for site surveys during monitoring CME appoints sales agents which leaves nearby to the project locations, for assessment VVB has taken a declaration that these agents were worked for them. Hence, we can ensure no forced labour are there and project activity is not violating any host country rules.
	2. Workers shall be able to establish and join labour organisations	NA.	NA.
	3. Working agreements with all individual workers shall be documented and implemented and include:	NA.	NA.

	a. Working hours (must not exceed 48 hours per week on a regular basis), AND b. Duties and tasks, AND c. Remuneration (must include provision for payment of overtime), AND d. Modalities on health insurance, AND e. Modalities on termination of the contract with provision for voluntary resignation by employee, AND f. Provision for annual leave of not less than 10 days per year, not including sick and casual leave.		
	4. No child labour is allowed (Exceptions for children working on their families' property requires an Expert Stakeholder opinion)	NA.	NA.
	5. The Project Developer shall ensure the use of appropriate equipment, training of workers, documentation and reporting of accidents and incidents, and	NA.	NA.

	emergency preparedness and response measures		
Principle 6.2 Negative Economic Consequences	Does the project cause negative economic consequences during and after project implementation?	NA	NA.
Principle 7.1 Emissions	Will the Project increase greenhouse gas emissions over the Baseline Scenario?	The PoA reduces GHG emissions relative to baseline scenario	The project involves dissemination of improved cookstove which will reduce GHG emissions compared to the baseline scenario. This is not relevant for the project activity.
Principle 7.2 Energy Supply	Will the Project use energy from a local grid or power supply (i.e., not connected to a national or regional grid) or fuel resource (such as wood, biomass) that provides for other local users?	The project will reduce fuel resource consumption instead	The improved cookstove does not use energy from local grid or power supply. The cook stove requires fuel wood as an energy source. The project will reduce fuel resource consumption. The validation team confirms that PoA fulfils the GS requirement outlined in the para 3.7.2 of the GS4GG safeguarding principles requirements version 1.2.
Principle 8.1 Impact on Natural Water Patterns/Flows	Will the Project affect the natural or pre-existing pattern of watercourses, groundwater and/or the watershed(s) such as high seasonal flow variability, flooding potential, lack of aquatic connectivity or water scarcity?	Not applicable	This is not relevant for the project activity.
Principle 8.2 Erosion and/or Water Body Instability	Could the Project directly or indirectly cause additional erosion and/or water body instability or	The PoA shall result in reduction in demand of biomass fuel in the region putting less pressure of forests for deforestation and will	The project involves dissemination of improved cookstove and does not in any way cause additional erosion and/or water body instability or disrupt the

	disrupt the natural pattern of erosion?	hence indirectly avoid erosion associated with tree cutting/ felling.	natural pattern of erosion. The PoA shall result in reduction in demand of biomass fuel in the region putting less pressure of forests for deforestation and will hence indirectly avoid erosion associated with tree cutting/ felling. The validation team confirms that PoA fulfils the GS requirement outlined in the GS4GG safeguarding principles requirements version 1..
Principle 9.1 Landscape Modification and Soil	Does the Project involve the use of land and soil for production of crops or other products?	Not applicable	This is not relevant for the project activity.
Principle 9.2 Vulnerability to Natural Disaster	Will the Project be susceptible to or lead to increased vulnerability to wind, earthquakes, subsidence, landslides, erosion, flooding, drought or other extreme climatic conditions?	Not applicable	This is not relevant for the project activity.
Principle 9.3 Genetic Resources	Could the Project be negatively impacted by or involve genetically modified organisms or GMOs (e.g., contamination, collection and/or harvesting, commercial development, or take place in facilities or farms that include GMOs in their processes and production)?	Not applicable	This is not relevant for the project activity.
Principle 9.4 Release of pollutants	Could the Project potentially result in the release of pollutants to the environment?	Not applicable	This is not relevant for the project activity.

Principle 9.5 Hazardous and Non-hazardous Waste	Will the Project involve the manufacture, trade, release, and/ or use of hazardous and non-hazardous chemicals and/or materials?	Not applicable	This is not relevant for the project activity.
Principle 9.6 Pesticides & Fertilisers	Will the Project involve the application of pesticides and/or fertilisers?	Not applicable	Not applicable
Principle 9.7 Harvesting of Forests	Will the Project involve the harvesting of forests?	The PoA does not involve harvesting of forests. The PoA shall result in reduction in demand of biomass fuel in the region putting less pressure of forests for deforestation and will hence indirectly avoid erosion associated with tree cutting/ felling.	The PoA involves in the reduction of fuel wood consumption therefore it will positively support the forest resources. The validation team confirms that PoA fulfils the GS requirement outlined in the GS4GG safeguarding principles requirements version 1.2.
Principle 9.8 Food	Does the Project modify the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives?	Not applicable	This is not relevant for the project activity.
Principle 9.9 Animal husbandry	Will the Project involve animal husbandry?	Not applicable	This is not relevant for the project activity.
Principle 9.10 High Conservation Value Areas and Critical Habitats	Does the Project physically affect or alter largely intact or High Conservation Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified?	Not applicable	This is not relevant for the project activity.
Principle 9.11 Endangered Species	Are there any endangered species identified as potentially being present	Not applicable	This is not relevant for the project activity.

	within the Project boundary (including those that may route through the area)? AND/OR Does the Project potentially impact other areas where endangered species may be present through transboundary affects?		
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APPENDIX 8: Gold Standard Verification Protocol

CC IPL's Checklist question	Ref.	MoV ²	Findings, comments, references, data sources	Draft conclusion	Final conclusion
1. Sustainability Monitoring					
1.1 Have all non-neutral indicators been monitored as per the sustainability monitoring plan?		I,	Yes, all the non-neutral indicators have been monitored as per the sustainability monitoring plan.	OK	OK
1.2 Have the methods to monitor data changed? And are they suitable to the project scale and type?		DR	Methods to monitor data have not changed as compared with the monitoring plan in the registered passport and monitoring plan.	OK	OK

CC IPL's Checklist question	Ref.	MoV ⁴	Findings, comments, references, data sources	Draft conclusion	Final conclusion
1.3 Has the way of monitoring been followed? With the inclusion of dates and parameters?		I	The sustainability monitoring plan has been followed as described in the Passport.	OK	OK
1.4 Have mitigation measures been put in place to prevent the risk of the violation of the safeguarding principle of the "Do No Harm" assessment or to neutralize a Sustainable Development		DR	The POA is the rehabilitation of borehole to the masses and doesn't involve any large set up or organization base that can be qualified as significant for a "Do Not Harm" procedures.	OK	OK

² MoV = Means of Verification, DR = Document Review, I = Interview, www = internet search.

Indicator that is being monitored?					
1.5 Has all the data in the Sustainability development matrix been verified and cross-checked against available sources of project data? Has it been described how sustainable development would be affected if a variance occurred?		I	Yes, all data in the sustainability development matrix have been verified and cross-checked from the supporting documents/data and during the remote interview.	OK	OK
2. Other					
2.1 Are there any issues from the previous validation/verification? (ie FARs, requests / approvals for RMP)		DR	No	OK	OK
2.2 Has the project ever received any requests for reviews or incompletes from the UNFCCC or GS Secretariat?		DR	No there are no requests for reviews or incomplete for the project.	OK	OK
2.3 The evaluation of the status of mitigation and compensation measures has been verified.		DR,I	Yes, the status of mitigation and compensation measures has been verified.	OK	OK