



Sustainability Verification Report for the Gold Standard Programme of Activities Alternative Energy Promotion Centre (AEPC) Nepal Biogas Support Program-PoA

Nepal Biogas Support Program – CPA 1: 20,000 digesters (GS3109)
Nepal Biogas Support Program - CPA 2: 19,927 digesters (GS3113)
Nepal Biogas Support Program - CPA 3: 19,959 digesters (GS3114)
Nepal Biogas Support Program - CPA 4: 19,970 digesters (GS3116)
Nepal Biogas Support Program - CPA 5: 19,842 digesters (GS3566)
Nepal Biogas Support Program - CPA 6: 18,504 digesters (GS6393)
Nepal Biogas Support Program - CPA 7: 18,392 digesters (GS6394)
Nepal Biogas Support Program - CPA 8: 19,445 digesters (GS7508)
Nepal Biogas Support Program – CPA 9: 17,304 digesters (GS7509)
Nepal Biogas Support Program-CPA 10: 10,589 digesters (GS10739)

in
Nepal

(Gold Standard ID Number GS 3110)

Monitoring Period:

01 January 2021 to 31 December 2021

Report No:

CC IPL1295/CDM-GS/VER/NBSP/20220413

Report Date: 15/08/2023

Revision No: 02

I. PROJECT DATA

Project title:	Nepal Biogas Support Program-PoA		
Registration No. / Date:	GS 3110 / 14/08/2015	Scale:	Small
Monitoring period:	01-01-2021 to 31-12-2021	Monitoring Period Number:	08 (of CP1) CPA-2: 08 CPA-3: 08 CPA-4: 08 CPA-5: 05 CPA-6: 05 CPA-7: 05 CPA-8: 03 CPA-9: 03 02 (of CP2) CPA 1: 02 CPA 2: 02 CPA 3: 02 CPA 4: 02 CPA 5: 02 CPA 10: 02
Methodology:	AMS I E version 04	Sectoral Scope/Technical Area:	1/1.2
Initial MR:	GS MR version 1 dated 11/04/2022		
Final Monitoring Report:	GS MR dated 09/12/2022 version 03		
Average emission reductions:	Estimated:	Verified:	Crediting Period 1 (CP1): PoA: 356 281 tCO ₂ e CPA-2: 23,046 tCO ₂ e CPA-3: 23,079 tCO ₂ e CPA-4: 23,103 tCO ₂ e CPA-5: 42,598 tCO ₂ e CPA-6: 61,565 tCO ₂ e CPA-7: 61,191 tCO ₂ e CPA-8: 64,565 tCO ₂ e CPA-9: 57,134 tCO ₂ e Crediting Period 2 (CP2): PoA: 253,715 tCO ₂ e CPA 1: 65,103 tCO ₂ e CPA 2: 42,297 tCO ₂ e CPA 3: 42,366 tCO ₂ e CPA 4: 42,389 tCO ₂ e CPA 5: 22,828 tCO ₂ e CPA 10: 38,731 tCO ₂ e
GHG reducing measure/ technology:	The purpose of the PoA is the implementation of household biogas applications. These applications displace firewood and fossil fuels with biogas from animal waste and human excreta.		

Party	Project participants	Party considered a project participant	Contract party
Nepal (Host)	Alternative Energy Promotion Centre (AEPC)	No	☐

Germany	atmosfair gGmbH	No	☒
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II. VERIFICATION TEAM

Verification Team			Role							
Full name	Affiliation	Appointed for Sectoral Scopes (Technical Areas)	Team leader	Local Expert	Team Member (Auditor)	Technical Expert	Trainee Auditor	Technical Reviewer	Expert to TR	Trainee TR
Anubhav Dimri	India	1.1, 1.2, 3.1, 8.1, 13.1	X			X				
Prasan Karmacharya	India	--		X						
Seshan Ranganthan	India	1.1,1.2,2.2,3.1,5.1 and 13.1						X		

III. VERIFICATION REPORT

Verification Phases and Status:

☒ Desk Review ☒ Follow up interviews, On Site Assessment

☒ Resolution of outstanding issues ☒ Corrective Actions / Clarifications Requested

☒ Full Approval and Submission for Issuance ☐ Rejected

Verification Report	Version	Date
	<u>Version 01</u>	02/09/2022
	<u>Version 02</u>	15/12/2022
	<u>Version 03</u>	15/08/2023
Final Approval Date	Approval	Distribution
<u>15-08-2023</u>	 Amit Anand, CEO	☒ No distribution without permission from the Client or responsible organizational unit ☐ Limited Distribution ☐ Unrestricted distribution

Abbreviations

BAU	Business As Usual
CA	Corrective Action / Clarification Action
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Ltd.
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO₂	Carbon Dioxide
CO_{2e}	Carbon Dioxide Equivalent
CPA	Component Project Activity
DVR	Draft Validation Report
EB	CDM Executive Board
EF	Emission Factor
FA	Final Approval
FAR	Forward Action Request
FVR	Final validation Report
GS	Gold Standard
GHG	Greenhouse gas(es)
GWh	Giga Watt Hour
IPCC	Intergovernmental Panel on Climate Change
MP	Monitoring Plan
MWh	Mega Watt Hour
OSV	On Site Visit
QC/QA	Quality control/Quality assurance
RMP	Revised Monitoring Plan
SD	Sustainable Development
SDI	Sustainable Development Indicators
TA	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
VVB	Validation and Verification Body
VVS	Validation and Verification Standard

Verification Opinion — summary

Carbon Check (India) Private Ltd. has performed the eighth (08th) periodic verification of first crediting period of the CDM/GS project “Nepal Biogas Support Program-PoA” and UNFCCC reference number 9572 and GS registry number GS3110 for the period 01 January 2021 to 31 December 2021. The verification team assigned by the VVB concludes that the CDM/GS Project Activity as described in the registered GS PoA passport (version 5), CDM monitoring report (version 02, dated 25/11/2022), and the GS monitoring report (version 03, dated 09/12/2022), meets all relevant requirements of the Gold Standard, UNFCCC for CDM GS project activities including article 12 of the Kyoto Protocol and paragraph 56 and 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. The verification has been conducted in-line with the UNFCCC CDM VVS for project activities, version 03.0 requirements and Gold Standard for Global Goals Principles and Requirements, version 1.2.

Verification methodology and process

The Verification team confirms the contractual relationship signed on the (20/04/2022) between the VVB, Carbon Check (India) Private Ltd. and the Project Participant, (atmosfair gGmbH). The team assigned to the verification meets the Carbon Check (India) Private Ltd. internal procedures including the UNFCCC requirements for the team composition and competence. CCIPL has conducted a thorough contract review as per UNFCCC and CCIPL's procedures and requirements.

The verification has been performed as per the requirements described in the Gold Standard for Global Goals Principles and Requirements and VVS and constitutes the review and completion of the following steps:

- Reviewing the approved GS PoA passport (version 5), approved CPA-DDs and Passports (CPA 1, CPA 2, CPA 3, CPA 4, CPA 5, CPA 6, CPA 7, CPA 8, CPA 9 and CPA10) including the monitoring plan and the corresponding validation reports, and the Gold Standard Transition Annex, the Sustainability Indicators and monitoring data;
- Submission of GS workplan to the CME (20/05/2022);
- Onsite Visit assessment (27/08/2022-01/09/2022)
- Review of the applied monitoring methodology (AMS-I. E., version 04 (CP1-MP8) and AMS-I. E., version 09 (CP2-MP2));
- Review of any CMP and EB decisions, clarifications and guidance and the Gold Standard Secretariat;
- Desk review of the MR, previous verification reports, deviation request and requests for the revision of monitoring plan and other relevant documents including documents related to the component project activities in emission reductions
- Resolution of CARs and CLs raised during verification
- Issuance of Verification Report

In CCIPL's opinion, the project activity was correctly implemented according to selected monitoring methodology /B03/, monitoring plan and the approved PoA-DD, approved CPA-DDs /B06/. The monitoring equipment was installed, calibrated 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 and onsite visit assessment the verification team confirms that the PoA (combined CPA1, CPA2, CPA3, CPA4, CPA5, CPA6, CPA7, CPA8, CPA9 and CPA10) has resulted in the 321,027 tCO₂e emission reductions during the 8th monitoring period of the 1st crediting period and 248,496 tCO₂e emission reductions during the 2nd monitoring period of the 2nd crediting period. The GHG emission reductions and non-GHG parameters were correctly calculated/ monitored on the basis of the approved monitoring methodology AMS I.E., version 04 (CP1) and AMS I.E., version 09 (CP2) and the monitoring plan contained in the GS PoA passport (version 5) and the GS Transition Annex. Carbon Check as a GS VVB is therefore obliged to issue a positive verification opinion expressed in the

attached Certification statement. And certify that the emission reductions from the PoA during the above stated period amount to 321,027 tCO₂ equivalent for Crediting Period 1 and 248,496 tCO₂ equivalent for Crediting Period 2.

CPA wise verified emission reduction:

Crediting Period 1

CPA-2: 19,954 tCO₂e

CPA-3: 21,624 tCO₂e

CPA-4: 21,083 tCO₂e

CPA-5: 39,966 tCO₂e

CPA-6: 53,868 tCO₂e

CPA-7: 50,947 tCO₂e

CPA-8: 59,357 tCO₂e

CPA-9: 54,228 tCO₂e

Total ERs: 321,027 tCO₂e

Crediting Period 2

CPA-1: 61,560 tCO₂e

CPA-2: 41,716 tCO₂e

CPA-3: 44,908 tCO₂e

CPA-4: 43,978 tCO₂e

CPA-5: 24,316 tCO₂e

CPA-10: 32,018 tCO₂e

Total ERs: 248,496 tCO₂e

The vintage-wise breakdown of the emission reductions is provided below:

Crediting Period 1

CPA2 to CPA 9:

2021 vintage total: 321,027 tCO₂e

Crediting Period 2

CPA1 to CPA 10:

2021 vintage total: 248,496 tCO₂e

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1. INTRODUCTION

The Project Participant, atmosfair gGmbH has appointed Carbon Check (India) Private Ltd. to perform an independent verification of the GS Programme of Activity “Nepal Biogas Support Program-PoA” in non –Annex 1 host country “Nepal” (hereafter referred to as “project activity”). This report summarises the findings of the verification of the project, performed on the basis of Gold Standard requirements and toolkit and paragraph 62 of the CDM M & P, as well as criteria given to provide for consistent project operations, monitoring and reporting and the subsequent decisions by the CDM Executive Board and Gold Standard Secretariat. Verification is required for all registered CDM GS project activities intending to confirm their achieved emission reductions and proceed with request for issuance of GS CERs. This report contains the findings and resolutions from the verification and a certification statement for the certified emission reductions.

1.1 Objective

Verification is the periodic independent review and ex post determination of both quantitative and qualitative information by a Gold Standard Validation and Verification Body (VVB) of the monitored reductions in GHG emissions that have occurred as a result of the registered CDM GS project activity during a defined monitoring period.

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 reported and also to verify GS parameters for the “Nepal Biogas Support Program-PoA” in country “Nepal” for the period 01/01/2021 to 31/12/2021.

The purpose of verification is to review the monitoring results and verify that the monitoring methodology was implemented according to the monitoring plan and monitoring data, and used to confirm the reductions in anthropogenic emissions by sources, is sufficient, definitive and presented in a concise and transparent manner. Other non-GHG parameters shall also be assessed as per the requirement of GS. Verification of emission reductions for Gold Standard crediting is only for eligible gases.

In particular, the monitoring plan, monitoring report and the project's compliance with relevant Gold Standard, UNFCCC and host Party criteria are verified in order to confirm that the project has been implemented in accordance with the previously registered project design and conservative assumptions, as documented. And, also to confirm that monitoring plan is in compliance with the approved PoA-DD, approved CPA-DDs/B06/, GS Transition Annex /B07/ and approved monitoring methodology /B03/.

1.2 Scope

The scope of the verification is:

- To verify the project implementation and operation with respect to the approved PoA-DD, approved CPA-DDs and GS Transition Annex.
- To verify the implemented monitoring plan with the approved PoA-DD, approved CPA-DDs and applied baseline and monitoring methodology.
- 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 is free from material misstatement.

- To verify that reported GHG emission data and other non-GHG parameters as per the requirement of GS is sufficiently supported by evidence.

Carbon Check's scope of verification as a third-party verifier is to verify project emission reductions and sustainable development impacts against the requirements set out by the Gold Standard. 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 over the monitoring period from 01/01/2021 to 31/12/2021 and based on the approved PoA-DD, approved CPA-DDs in part of the monitoring parameters and monitoring plan, emission reduction calculation spreadsheet, monitoring methodology and all related evidence provided by project participant.

Onsite visit assessment and stakeholder interviews are also performed as part of the verification process.

1.3 Project Activity Description

The PoA involves the CPAs (i.e. CPA2, CPA3, CPA4, CPA5, CPA6, CPA7, CPA8 and CPA9) under this eighth (08th) monitoring period of the 1st crediting period and the CPAs (i.e. CPA1, CPA2, CPA3, CPA4, CPA5 and CPA10) under this second (02nd) monitoring period of the 2nd crediting period. The PoA involves implementation of household biogas applications. These applications displace firewood and fossil fuels with biogas from animal waste and human excreta. The biogas is used as a fuel for cooking; therefore the displacement of non-renewable biomass (NRB) is counted as emission reduction under the Clean Development Mechanism (CDM) and Gold Standard (GS). Target group under the BSP are households with at least one head of cattle (generally cows or buffalos) who currently use non-renewable biomass (firewood) for cooking purpose. The PoA is implemented in Nepal.

There were no changes observed during the onsite visit from the technology stated during the validation and earlier verifications.

The verification team confirm that the project is in line with the plans contained in the approved PoA-DD, approved CPA-DDs /B06/ and GS Transition Annex /B07/.

2. METHODOLOGY

The verification consists of the following four phases:

1. Completeness check of the Emission Reductions Monitoring report and Gold Standard Sustainability Monitoring Report, and submission to the Gold Standard Registry and Project Administration System;
2. Review of project documentation (monitoring plan, monitoring report, monitoring methodology, project design document, applicable tools in particular attention to the frequency of measurements, quality of metering equipment's including calibration requirements, QA/QC procedures and other relevant documents and regulations);
3. Onsite audit interviews (including follow-up interviews with project stakeholders, when deemed necessary). The onsite audit assessment includes the following.
 - An assessment of implementation and operation of project activity with respect to approved PoA-DD, approved CPA-DDs;
 - Review of information flows for generating, aggregating and reporting the monitoring parameters;
 - Interview with relevant personals to determine whether the operational and data collection procedures are implemented and in accordance with monitoring plan of the approved PoA-DD, approved CPA-DDs;

- Cross check of information and data provided in the monitoring report with plant logbooks, inventories, purchase records or similar data sources;
 - Check of monitoring equipment's, calibration frequency and monitoring practice in-line with methodology and the approved PoA-DD, approved CPA-DDs;
 - Review of assumptions made in calculating the emission reductions;
 - Implementation of QA/QC procedure in-line with the approved PoA-DD, approved CPA-DDs and the methodology requirement.
2. Resolution of outstanding issues and the issuance of the final Verification report and Certification statement.

The following sections outline each step in more detail.

Duration of Verification:

- Signing of Letter of Engagement: 20/04/2022
- Pre-site visit preparation: 20/04/2022 to 26/08/2022
- Onsite Visit Assessment: 27/08/2022 to 01/09/2022
- Reporting/Calculations/Quality and Control checks: 19/12/2022 to 20/12/2022

2.1 Desk review

The following table outlines the documentation reviewed during the verification:

Ref no.	Reference Document
/1/	GS Monitoring Report version 1, dated 11/04/2022
/2/	Final Monitoring Report, version 3 dated 09/12/2022
/3/	Emission reduction calculation spread sheets, related to the Monitoring Report /1/
/4/	Final emission reduction spread sheets, related to final version of monitoring report /2/
/5/	Biogas plant owner book
/6/	Mason Training records
/7/	Sample size calculation sheet
/8/	Sampling Process and results
/9/	Baseline User Survey Report and the Survey responses for 1. CPA1 2. CPA2 3. CPA3 4. CPA4 5. CPA5 6. CPA6 7. CPA7 8. CPA8 9. CPA9 10. CPA10
/10/	AEPC Certified Installation Companies
/11/	Agreement between AEPC and BSP Nepal (including carbon rights)
/12/	Sample carbon waiver agreements between the CME and the End user
/13/	Training records of the monitoring team
/14/	Technical Specification of the biogas stoves
/15/	Random number generator for sampling

/16/	Sampling Precision calculation sheet
/17/	Monitoring Survey Forms
/18/	Biogas plant Repairs and Maintenance contract
/19/	BSP Database

During the desk review, Carbon Check applied the standard auditing techniques to assess the quality of information provided.

2.2 Background documents:

Ref no.	Reference Document
/B01/	1. CDM Validation and Verification Standard for PoA version 03 2. CDM Project Standard for PoA version 03 3. CDM Project Cycle Procedure for PoA version 03
/B02/	1. Gold Standard Principles and Requirements version 1.2, dated 24/10/2019 2. Gold Standard Programme of Activity Requirements version 1.2, dated 24/10/2019 3. GS Validation & Verification Body Requirements version 2.0, dated 14/01/2021 4. Site Visit and Remote Audit Requirements And Procedures, version 1.0, dated 17/11/2021
/B03/	1. Applied baseline and monitoring methodology, AMS I.E., version 04 2. Applied baseline and monitoring methodology, AMS I.E., version 09
/B04/	Template of MR available on Gold Standard website (version 1.1, dated 14/10/2020)
/B05/	Guideline on the application of Materiality in verifications (version 02.0)
/B06/	Crediting Period 1 - Approved GS PoA-DD, version 5 CPA 2: GS Passport version 02 CPA 3: GS Passport version 02 CPA 4: GS Passport version 03 CPA 5: CPA-DD, version 07 CPA 6: CPA-DD, version 07 CPA 7: CPA-DD, version 07 CPA 8: CPA-DD, version 02 CPA 9: CPA-DD, version 02 And the respective validation reports Crediting Period 2 - Approved GS PoA-DD, version 3, Dated: 31/01/2020 CPA 1: CPA-DD, version 3, Dated: 31/01/2020 CPA 2: CPA-DD, version 3, Dated: 31/01/2020 CPA 3: CPA-DD, version 3, Dated: 31/01/2020 CPA 4: CPA-DD, version 3, Dated: 31/01/2020 CPA 5: CPA-DD, version 3, Dated: 31/01/2020 CPA10: CPA-DD, version 3.1, Dated 26/07/2020 And the respective validation reports
/B07/	1. GS Transition Annex for CPAs 1, 2, 3, 4 and 5
/B08/	1. Monitoring reports and corresponding verification report of 1 st , 2 nd , 3 rd , 4 th , 5 th , 6 th , 7 th , 8 th , 9 th periodic verification of 1 st crediting period available on UNFCCC website/GS website. 2. Monitoring reports and corresponding verification report of 1 st periodic verification of 2 nd crediting period available on UNFCCC website/GS website.
/B09/	Weblinks: 1. http://cdm.unfccc.int/ https://www.goldstandard.org

2.3 On-site visit and follow-up interviews with project stakeholders

The onsite visit was performed by the verification team of CCIPL from 27/08/2022 to 01/09/2022 and the following activities were performed:

- An assessment of the implementation and operation of the registered project activity as per the approved revised CPA-DDs;
- A review of information flows for generating, aggregating and reporting the monitoring parameters;

- iii. Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the CPA-DDs;
- iv. A cross check between information provided in the monitoring report and data from other sources such as plant logbooks, inventories, purchase records or similar data sources;
- v. A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the CPA-DDs and the selected methodology and corresponding tool(s), where applicable;
- vi. A review of calculations and assumptions made in determining the GHG data and emission reductions;
- vii. An identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.
- viii. Verification of the monitoring of sustainable development indicators

The project representatives and stakeholders interviewed:

	Name	Organization	Topic	Means of interview
/i/	Shreejan Ram Shreshta	AEPC	Project implementation and operation, monitoring procedure, data and information flow, compliance of monitoring plan with monitoring methodology and approved revised PoA-DD, approved revised CPA-DDs, Roles and responsibility, Sustainability Monitoring Plan, Survey records, Sales/Distribution records, CER calculation and completeness of monitoring report, Electronic Monitoring system, Sustainability Monitoring Plan, Sampling Plan, Survey records, Sales/Distribution records, CER waiver records and procedure, QA/QC Procedures, Quality Assurance – Management and operating system	Onsite Visit
/ii/	Abinash Amar	AEPC	Monitoring procedure, QA/QC Procedures, Quality Assurance – Management and operating system	Onsite Visit
/iii/	Gopi Niraula	Constructor	Installation of the stoves, maintenance activities	Onsite Visit
/iv/	Sanjayaraj Pokhrel	Constructor	Installation of the stoves, maintenance activities	Onsite Visit
/v/	Indra Limbu	Constructor	Installation of the stoves, maintenance activities	Onsite Visit

/vi/	Om Bahadur Sunuwar	Biogas (SGC)	Installation of the stoves, maintenance activities	Onsite Visit
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Through the above mentioned activities the verification team confirmed the following Gold Standard project aspects in relation to the project activity:

- The implementation and operation of the project activity is as described in the monitoring plan in the approved PoA-DD and approved CPA-DDs/B06/ and GS Transition annex /B07/.
- The operational and data collection procedures are implemented as per the monitoring plan in the approved revised PoA-DD, approved revised CPA-DDs/B06/ and GS Transition Annex/B07/.
- The information flow for generating, grouping and reporting of the monitored parameters
- Procedures to avoid double counting are in place.

2.4 Resolution of outstanding issues

The objective of this phase of the verification is to resolve any outstanding issues (issues that require further elaboration, research or expansion) which have to be clarified/corrective action done prior to final VVB's conclusions on the project implementation, monitoring practices and achieved emission reductions. In order to ensure transparency a verification protocol is completed for the project activity. The protocol shows in transparent manner criteria (requirements), means of verification and resulting statements on verification actual project activity against identified criteria.

The verification protocol serves the following purposes:

- It organises in a table form, details and clarifies the requirements, which CDM project is expected to meet CDM requirements.
- It ensures a transparent verification process where the VVB will document how a particular requirement has been verified and the result of the verification.
- It ensures that the issues are accurately identified, formulated, discussed and concluded in the validation report.
- It ensures the determination of achieving credible emission reductions from the project activity.

The verification protocol consists of Appendix A. Appendix A reflects the verification requirements and reference to the materials used to verify the project activity against those requirements, as well as means of verification, reference to tables of findings and preliminary and final opinion of the VVB on every particular requirement listed in Appendix A.

The findings of verification process are summarized in the List of findings provided in the Appendix A.

Finding (reference section of table 1)			
Classification	☐ CAR	☐ CL	☐ FAR
Description of finding (VVB)			
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>			
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>			

Finding (reference section of table 1)	
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☐ The finding is closed

In Appendix A, FAR shall reflect the forward actions initiated by the verification team if the monitoring and reporting require attention and/or adjustment for the next verification period. The completed verification protocol for this project is enclosed in Appendix A to this report.

Findings during the verification can be interpreted as a non-compliance with CDM criteria or a risk to the compliance.

Corrective action requests (CARs) are raised, in case:

- Non-conformities with the monitoring plan or methodology are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient;
- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;
- Mistakes have been made in applying assumptions, data or calculations of emission reductions which will impair the estimate of emission reductions;
- Issues identified in a FAR during validation/previous verification(s) that are not been resolved by the project participant(s) to be verified during current verification.

Requests for clarification (CLs) are raised, if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.

A forward action request (FAR) is raised during verification to highlight issues related to project implementation/monitoring that require review during the subsequent verification of the project activity. FARs shall not relate to the CDM requirements for issuance.

2.5 Internal quality control

The final verification report has passed a technical review before being submitted to the project participant(s) and UNFCCC Executive Board. The technical review was performed by a technical reviewer qualified in accordance with CCIPL's qualification scheme for CDM validation and verification.

2.6 Verification Team

Carbon Check has appointed a competent team as per the Accreditation Standard and Carbon Check internal procedures, the team is outlined below:

Verification Team			Type of Involvement							
Full name	Location	Appointed for Sectoral Scopes (Technical Areas)	Supervising the work	Desk review	Onsite Visit + Interview	Report and protocol Writing	Technical Expert Input	Reporting Support	Technical Reviewer	Trainee TR
Anubhav Dimri	India	1.1, 1.2, 3.1, 8.1, 13.1	X	X	X	X	X			

Prasan Karmacharya	Nepal	--			X					
Seshan Ranganathan	India	1.1,1.2,2.2,3.1,5.1 and 13.1							X	

Anubhav Dimri: is an appointed Team Leader. He holds a Post Graduate Diploma in Industrial Safety and Environmental Management. He is a trained GHG Lead Auditor. He has participated in and passed 5 days ISO 50001 Lead Auditor (UNIDO sponsored) training course. He has experience in the field of Carbon Offsets both in the regulatory and voluntary front, including project validation. He has participated in GS, VCS and CDM validations and verifications. He has also been involved in verification GS VPAs with reference numbers: GS 916, GS 1231, GS 1029, GS 1030, GS 1031. He has been involved in more than 200 CDM projects/programme of activities submitted to UNFCCC for Request for Registration/Inclusion/Request for Issuance. He has also worked on a number of VCS projects. He has also attended Several Gold Standard VVB webinar training. He has also undergone training for ISO 9001, GHG verifier training, and technical area 1.2 training. He is qualified as technical expert for TA 1.1, 1.2, 3.1, 8.1 and 13.1 under CDM SS/TA categorization.

Prasan Karmacharya: is a local host country expert for this project and speaks the local language Nepali spoken in Nepal.

Seshan Ranganathan: He is an appointed Technical Expert and Technical Reviewer for technical areas 1.1,1.2,2.2,3.1,5.1 and 13.1. He has experience in CDM, Gold Standard and other GHG schemes as an auditor with DNV. He holds a Bachelor's Degree in Chemical Engineering and has done diploma course in Management and completed the graduate ship course in Industrial Engineering and has an overall working experience of around twenty six years.

3. VERIFICATION FINDINGS

The findings of the verification are described in the following sections. The verification criteria (requirements), the means of verification and the results of verification are documented in detail in the verification protocol in Appendix A.

3.1 Compliance with the sustainability monitoring plan

Sustainability monitoring plan as contained in the approved CPA-DDs/B06/ and GS Transition Annex/B07/ has been monitored by the CME and the same is provided in the Monitoring report/02/. Sustainability monitoring plan was assessed and verified by the verification team during the onsite visit interview and by means of interview with the local stakeholders and the CME Personnel (who interacted with the users before and after implementation of the project for baseline and project field survey). All the mitigation measures have been put in place to prevent the violation or to neutralise a SDI.

All the non-neutral indicators are monitored by PP and verified by the verification team. Following documents are reviewed during the verification process:

- Biogas User Surveys/09/
- Training records/13//06/

3.2 Monitoring of Gold Standard Sustainability Indicators

Verification team checked the sustainable development indicator parameters through documents review/09//13//06/ and onsite visit interviews.

Following table provides the information on additional parameters that are monitored in accordance with the monitoring plan for sustainability indicators as referred in the Gold Standard Transition Annex/B07/ and monitoring report/02/ (version 03 dated 09/12/2022).

The discussion on any additional parameters that are monitored in accordance with the monitoring plan for sustainability indicators as referred in the Gold Standard Transition Annex/B07/ and monitoring report (version 03 dated 09/12/2022) is provided below.

Crediting Period 1:

Indicator	Monitoring Source	Variables, Unit and Frequency of measurement	Assessment		
SDG Indicator 7.1.2 Proportion of population with primary reliance on clean fuels and technology	Biogas User Surveys/09/	Biennial % The share of digesters operational	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-2: 86.43% CPA-3: 93.51% CPA-4: 91.12% CPA-5: 93.55% CPA-6: 87.42% CPA-7: 83.19% CPA-8: 91.67% CPA-9: 94.11%		
SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in indoor air pollution	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-2: 100% CPA-3: 97.77% CPA-4: 93.26% CPA-5: 98.90% CPA-6: 97.70% CPA-7: 96.43% CPA-8: 100% CPA-9: 98.93%		
SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in health problem	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><td>CPAs</td><td>% HH perceived reduction in</td></tr></table>	CPAs	% HH perceived reduction in
CPAs	% HH perceived reduction in				

			<table><tr><th></th><th>Eye infection</th><th>Respiratory diseases</th><th>Cough</th><th>Fire related injury</th></tr><tr><td>CPA-2</td><td>100</td><td>93.02</td><td>94.19</td><td>93.02</td></tr><tr><td>CPA-3</td><td>98.92</td><td>90.32</td><td>89.25</td><td>93.55</td></tr><tr><td>CPA-4</td><td>91.09</td><td>97.64</td><td>77.53</td><td>83.15</td></tr><tr><td>CPA-5</td><td>97.80</td><td>93.41</td><td>90.11</td><td>100</td></tr><tr><td>CPA-6</td><td>95.40</td><td>95.40</td><td>78.16</td><td>85.06</td></tr><tr><td>CPA-7</td><td>95.24</td><td>88.10</td><td>88.10</td><td>88.10</td></tr><tr><td>CPA-8</td><td>98.90</td><td>98.90</td><td>92.31</td><td>95.60</td></tr><tr><td>CPA-9</td><td>97.80</td><td>88.30</td><td>88.30</td><td>88.30</td></tr></table>		Eye infection	Respiratory diseases	Cough	Fire related injury	CPA-2	100	93.02	94.19	93.02	CPA-3	98.92	90.32	89.25	93.55	CPA-4	91.09	97.64	77.53	83.15	CPA-5	97.80	93.41	90.11	100	CPA-6	95.40	95.40	78.16	85.06	CPA-7	95.24	88.10	88.10	88.10	CPA-8	98.90	98.90	92.31	95.60	CPA-9	97.80	88.30	88.30	88.30														
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SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on time saving for cooking due to project.	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in cooking time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-2</td><td>48.84</td><td>100</td><td>27.91</td></tr><tr><td>CPA-3</td><td>25.81</td><td>96.77</td><td>21.51</td></tr><tr><td>CPA-4</td><td>46.07</td><td>97.75</td><td>16.85</td></tr><tr><td>CPA-5</td><td>36.26</td><td>100</td><td>29.67</td></tr><tr><td>CPA-6</td><td>42.86</td><td>100</td><td>17.86</td></tr><tr><td>CPA-7</td><td>38.10</td><td>100</td><td>25</td></tr><tr><td>CPA-8</td><td>30.77</td><td>100</td><td>23.08</td></tr><tr><td>CPA-9</td><td>51.06</td><td>100</td><td>19.15</td></tr></table>	CPAs	% HH perceived reduction in cooking time for			Men	Women	Children	CPA-2	48.84	100	27.91	CPA-3	25.81	96.77	21.51	CPA-4	46.07	97.75	16.85	CPA-5	36.26	100	29.67	CPA-6	42.86	100	17.86	CPA-7	38.10	100	25	CPA-8	30.77	100	23.08	CPA-9	51.06	100	19.15																				
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CPA-9	51.06	100	19.15																																																											
SDG indicator 7.1.2: Proportion of population with primary reliance on clean fuels and technology	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on time saving due to project for firewood collection	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in firewood collection time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-2</td><td>65.12</td><td>98.84</td><td>29.07</td></tr><tr><td>CPA-3</td><td>49.46</td><td>97.85</td><td>18.28</td></tr><tr><td>CPA-4</td><td>65.17</td><td>98.88</td><td>15.73</td></tr><tr><td>CPA-5</td><td>73.63</td><td>100</td><td>17.58</td></tr><tr><td>CPA-6</td><td>83.93</td><td>100</td><td>14.29</td></tr><tr><td>CPA-7</td><td>63.10</td><td>100</td><td>26.19</td></tr><tr><td>CPA-8</td><td>62.64</td><td>98.90</td><td>7.69</td></tr><tr><td>CPA-9</td><td>70.21</td><td>100</td><td>19.15</td></tr></table>	CPAs	% HH perceived reduction in firewood collection time for			Men	Women	Children	CPA-2	65.12	98.84	29.07	CPA-3	49.46	97.85	18.28	CPA-4	65.17	98.88	15.73	CPA-5	73.63	100	17.58	CPA-6	83.93	100	14.29	CPA-7	63.10	100	26.19	CPA-8	62.64	98.90	7.69	CPA-9	70.21	100	19.15																				
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CPA-8	62.64	98.90	7.69																																																											
CPA-9	70.21	100	19.15																																																											
SDG indicator 3.9.3: Mortality rate attributed to unintentional poisoning	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in use of chemical fertilizers and use of bio-slurry	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="5">% changes in use of chemical fertilizers and increase in use of bio-slurry</th></tr><tr><th>Farm Yard Manure</th><th>Bio-slurry</th><th>Urea</th><th>DAP</th><th>Potash</th></tr><tr><td>CPA-2</td><td>28.68</td><td>100</td><td>38.54</td><td>0</td><td>50</td></tr><tr><td>CPA-3</td><td>31.47</td><td>100</td><td>27.27</td><td>29.35</td><td>41.18</td></tr><tr><td>CPA-4</td><td>30.62</td><td>100</td><td>37.42</td><td>0</td><td>58.62</td></tr><tr><td>CPA-5</td><td>32.09</td><td>100</td><td>41.51</td><td>35.74</td><td>33.26</td></tr><tr><td>CPA-6</td><td>30.65</td><td>100</td><td>35.52</td><td>36.65</td><td>46.43</td></tr><tr><td>CPA-7</td><td>27.25</td><td>100</td><td>37.99</td><td>39.33</td><td>51.23</td></tr><tr><td>CPA-8</td><td>28.59</td><td>100</td><td>25.66</td><td>28.23</td><td>33.33</td></tr><tr><td>CPA-9</td><td>33.13</td><td>100</td><td>39.12</td><td>42.38</td><td>56.08</td></tr></table>	CPAs	% changes in use of chemical fertilizers and increase in use of bio-slurry					Farm Yard Manure	Bio-slurry	Urea	DAP	Potash	CPA-2	28.68	100	38.54	0	50	CPA-3	31.47	100	27.27	29.35	41.18	CPA-4	30.62	100	37.42	0	58.62	CPA-5	32.09	100	41.51	35.74	33.26	CPA-6	30.65	100	35.52	36.65	46.43	CPA-7	27.25	100	37.99	39.33	51.23	CPA-8	28.59	100	25.66	28.23	33.33	CPA-9	33.13	100	39.12	42.38	56.08
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CPA-8	28.59	100	25.66	28.23	33.33																																																									
CPA-9	33.13	100	39.12	42.38	56.08																																																									

SDG Indicator 3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services)	Biogas User Surveys/09/	At least biennial Number Users' perception on connection of toilet to biogas	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-2: 74.42% CPA-3: 63.44% CPA-4: 89.89% CPA-5: 85.71% CPA-6: 87.36% CPA-7: 79.76% CPA-8: 85.71% CPA-9: 79.79%
SDG indicator 7.1.2: Proportion of population with primary reliance on clean fuels and technology	Training Reports	At least biennial Number of people trained to promote Biogas plants Masons involved in constructing the biogas plants shall receive training on the proper installation of biogas digesters.	The parameter has been monitored through the records of the trainings /13//06/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the masons who were provided training.
Safeguarding Principle 4.3.8	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on Impact on crop productivity	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-2: 74.12 % CPA-3: 83.15 % CPA-4: 67.05 % CPA-5: 73.49 % CPA-6: 83.95 % CPA-7: 90.24% CPA-8: 78.16% CPA-9: 85.56%

Crediting Period 2:

Indicator	Monitoring Source	Variables, Unit and Frequency of measurement	Assessment
SDG Indicator: 3.9.1 Mortality rate attributed to	Biogas User Surveys/09/	At least biennial tonnes/household/year	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring

household and ambient air pollution		Average annual consumption of woody biomass per household in the pre-project devices during the project activity, if it is found that pre-project devices were not completely displaced but continue to be used to some extent.	period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-1: 0.51 CPA-2: 0.47 CPA-3: 0.50 CPA-4: 0.48 CPA-5: 0.48 CPA-10: 0.51																								
SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	Once in a year tonnes/household/year Quantity of woody biomass that is substituted or displaced	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-1: 75,737.81 tonnes CPA-2: 51,322.37 tonnes CPA-3: 55,250.57 tonnes CPA-4: 54,105.41 tonnes CPA-5: 29,915.13 tonnes CPA-10: 39,391.46 tonnes																								
SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in indoor air pollution	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-1: 97.61% CPA-2: 100% CPA-3: 97.77% CPA-4: 93.26% CPA-5: 98.90 CPA-10:100%																								
SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in health problem	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="4">% HH perceived reduction in</th></tr><tr><th>Eye infection</th><th>Respiratory diseases</th><th>Cough</th><th>Fire related injury</th></tr><tr><td>CPA-1</td><td>94.05</td><td>89.29</td><td>86.90</td><td>91.67</td></tr><tr><td>CPA-2</td><td>100</td><td>93.02</td><td>94.19</td><td>93.02</td></tr><tr><td>CPA-3</td><td>98.92</td><td>90.32</td><td>89.25</td><td>93.55</td></tr></table>	CPAs	% HH perceived reduction in				Eye infection	Respiratory diseases	Cough	Fire related injury	CPA-1	94.05	89.29	86.90	91.67	CPA-2	100	93.02	94.19	93.02	CPA-3	98.92	90.32	89.25	93.55
CPAs	% HH perceived reduction in																										
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SDG indicator 3.9.1: Mortality rate attributed to household and ambient air pollution	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on time saving for cooking due to project.	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in cooking time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-1</td><td>40.48</td><td>98.81</td><td>17.86</td></tr><tr><td>CPA-2</td><td>48.84</td><td>100</td><td>27.91</td></tr><tr><td>CPA-3</td><td>25.81</td><td>96.77</td><td>21.51</td></tr><tr><td>CPA-4</td><td>46.07</td><td>97.75</td><td>16.85</td></tr><tr><td>CPA-5</td><td>36.26</td><td>100</td><td>29.67</td></tr><tr><td>CPA-10</td><td>39.33</td><td>100</td><td>5.62</td></tr></table>	CPAs	% HH perceived reduction in cooking time for			Men	Women	Children	CPA-1	40.48	98.81	17.86	CPA-2	48.84	100	27.91	CPA-3	25.81	96.77	21.51	CPA-4	46.07	97.75	16.85	CPA-5	36.26	100	29.67	CPA-10	39.33	100	5.62																
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SDG indicator 7.1.2: Proportion of population with primary reliance on clean fuels and technology	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on time saving due to project for firewood collection	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in firewood collection time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-1</td><td>73.81</td><td>95.24</td><td>10.71</td></tr><tr><td>CPA-2</td><td>65.12</td><td>98.84</td><td>29.07</td></tr><tr><td>CPA-3</td><td>49.46</td><td>97.85</td><td>18.28</td></tr><tr><td>CPA-4</td><td>65.17</td><td>98.88</td><td>15.73</td></tr><tr><td>CPA-5</td><td>73.63</td><td>100</td><td>17.58</td></tr><tr><td>CPA-10</td><td>49.44</td><td>98.88</td><td>5.62</td></tr></table>	CPAs	% HH perceived reduction in firewood collection time for			Men	Women	Children	CPA-1	73.81	95.24	10.71	CPA-2	65.12	98.84	29.07	CPA-3	49.46	97.85	18.28	CPA-4	65.17	98.88	15.73	CPA-5	73.63	100	17.58	CPA-10	49.44	98.88	5.62																
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SDG indicator 3.9.3: Mortality rate attributed to unintentional poisoning	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on reduction in use of chemical fertilizers and use of bio-slurry	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: <table><tr><th rowspan="2">CPAs</th><th colspan="5">% changes in use of chemical fertilizers and increase in use of bio-slurry</th></tr><tr><th>Farm Yard Manure</th><th>Bio-slurry</th><th>Urea</th><th>DAP</th><th>Potash</th></tr><tr><td>CPA-1</td><td>32.41</td><td>100</td><td>33.10</td><td>40.39</td><td>58.06</td></tr><tr><td>CPA-2</td><td>28.68</td><td>100</td><td>38.54</td><td>0</td><td>50</td></tr><tr><td>CPA-3</td><td>31.47</td><td>100</td><td>27.27</td><td>29.35</td><td>41.18</td></tr><tr><td>CPA-4</td><td>30.62</td><td>100</td><td>37.42</td><td>0</td><td>58.62</td></tr><tr><td>CPA-5</td><td>32.09</td><td>100</td><td>41.51</td><td>35.74</td><td>33.26</td></tr><tr><td>CPA-10</td><td>32.59</td><td>100</td><td>31.36</td><td>50</td><td>0</td></tr></table>	CPAs	% changes in use of chemical fertilizers and increase in use of bio-slurry					Farm Yard Manure	Bio-slurry	Urea	DAP	Potash	CPA-1	32.41	100	33.10	40.39	58.06	CPA-2	28.68	100	38.54	0	50	CPA-3	31.47	100	27.27	29.35	41.18	CPA-4	30.62	100	37.42	0	58.62	CPA-5	32.09	100	41.51	35.74	33.26	CPA-10	32.59	100	31.36	50	0
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(exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services)			household participants. The values reported are: CPA-1: 67.86 % CPA-2: 74.42% CPA-3: 63.44% CPA-4: 89.89% CPA-5: 85.71% CPA-10: 96.63 %
SDG indicator 7.1.2: Proportion of population with primary reliance on clean fuels and technology	Training Reports	At least biennial Number of people trained to promote Biogas plants Masons involved in constructing the biogas plants shall receive training on the proper installation of biogas digesters.	The parameter has been monitored through the records of the trainings /13//06/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the masons who were provided training.
Safeguarding Principle 4.3.8	Biogas User Surveys/09/	At least biennial Qualitative Users' perception on Impact on crop productivity	The parameter has been monitored through the records of Biogas User Surveys/09/ during the monitoring period. Furthermore, it was also confirmed during the onsite visit by the verification team with the household participants. The values reported are: CPA-1: 65.43 % CPA-2: 74.12 % CPA-3: 83.15 % CPA-4: 67.05 % CPA-5: 73.49 % CPA-10: 84.09 %

SDG Contributions for Crediting Period 1:

SDG Contributions				
3.9.1 Mortality rate attributed to household and ambient air pollution (Users' perception on reduction in indoor air pollution)-%	Estimated:	0	Verified:	CPA-2: 100% CPA-3: 97.77% CPA-4: 93.26% CPA-5: 98.90% CPA-6: 97.70% CPA-7: 96.43% CPA-8: 100% CPA-9: 98.93%
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Users' perception on	Estimated:	0	Verified:	CPA-2: Eye infection: 100%, Respiratory disease: 93.02% Cough: 94.19%

reduction in health problem)			Fire related Injury: 93.02% CPA-3: Eye infection: 98.92% Respiratory disease: 90.32% Cough: 89.25% Fire related Injury: 93.55% CPA-4: Eye infection: 91.01% Respiratory disease: 97.64% Cough: 77.53% Fire related Injury: 83.15% CPA-5: Eye infection: 97.80% Respiratory disease: 93.41% Cough: 90.11% Fire related Injury: 100% CPA-6: Eye infection: 95.40% Respiratory disease: 95.40% Cough: 78.16% Fire related Injury: 85.06% CPA-7: Eye infection: 95.24% Respiratory disease: 88.10% Cough: 88.10% Fire related Injury: 88.10% CPA-8: Eye infection: 98.90% Respiratory disease: 98.90% Cough: 92.31%
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				Fire related Injury: 95.60% CPA-9: Eye infection: 97.80% Respiratory disease: 88.30% Cough: 88.30% Fire related Injury: 88.30%																																							
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (User’s perception in Time saving for the cooking (reduce exposure to indoor air pollution))	Estimated:	0	Verified:	<table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in firewood collection time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-2</td><td>65.12</td><td>98.84</td><td>29.07</td></tr><tr><td>CPA-3</td><td>49.46</td><td>97.85</td><td>18.28</td></tr><tr><td>CPA-4</td><td>65.17</td><td>98.88</td><td>15.73</td></tr><tr><td>CPA-5</td><td>73.63</td><td>100</td><td>17.58</td></tr><tr><td>CPA-6</td><td>83.93</td><td>100</td><td>14.29</td></tr><tr><td>CPA-7</td><td>63.10</td><td>100</td><td>26.19</td></tr><tr><td>CPA-8</td><td>62.64</td><td>98.90</td><td>7.69</td></tr><tr><td>CPA-9</td><td>70.21</td><td>100</td><td>19.15</td></tr></table>	CPAs	% HH perceived reduction in firewood collection time for			Men	Women	Children	CPA-2	65.12	98.84	29.07	CPA-3	49.46	97.85	18.28	CPA-4	65.17	98.88	15.73	CPA-5	73.63	100	17.58	CPA-6	83.93	100	14.29	CPA-7	63.10	100	26.19	CPA-8	62.64	98.90	7.69	CPA-9	70.21	100	19.15
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SDG 3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) (Users’ perception on connection of toilet to biogas)	Estimated:	0	Verified:	CPA-2: 74.42% CPA-3: 63.44% CPA-4: 89.89% CPA-5: 85.71% CPA-6: 87.36% CPA-7: 79.76% CPA-8: 85.71% CPA-9: 79.79%																																							
SDG 3.9.3 Mortality rate attributed to unintentional poisoning (Users perception in reduction of chemical fertilizers): Quantity of Employment (number of jobs created)	Estimated:	0	Verified:	CPA-2: Farmyard manure: 28.68% Bioslurry: 100%, Urea: 38.54%, DAP: 0% Potash: 50.00% CPA-3: Farmyard manure: 31.47% Bioslurry: 100% Urea: 27.27% DAP: 29.35% Potash: 41.18% CPA-4: Farmyard manure: 30.62%																																							

				Bioslurry: 100% Urea: 37.42% DAP: 0% Potash: 58.62% CPA-5 Farmyard manure: 32.09% Bioslurry: 100% Urea: 41.51% DAP: 35.74% Potash: 33.26% CPA-6: Farmyard manure: 30.65% Bioslurry: 100% Urea: 35.52% DAP: 36.65% Potash: 46.43% CPA-7: Farmyard manure: 27.25% Bioslurry: 100% Urea: 37.99% DAP: 39.33% Potash: 51.23% CPA-8: Farmyard manure: 28.59% Bioslurry: 100% Urea: 25.66% DAP: 28.23% Potash: 33.33% CPA-9: Farmyard manure: 33.13% Bioslurry: 100% Urea: 39.12% DAP: 42.38% Potash: 56.08%
SDG 7.1.2 Proportion of population with primary reliance on clean fuels and	Estimated:	0	Verified:	CPA-2: 86.43% CPA-3: 93.51% CPA-4: 91.12% CPA-5: 93.55%

technology (Share of digesters operational) (%)				CPA-6: 87.42% CPA-7: 83.19% CPA-8: 91.67% CPA-9: 94.11%																																							
SDG 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Users' perception on time saving due to project for firewood collection)	Estimated:	0	Verified:	<table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in firewood collection time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-2</td><td>65.12</td><td>98.84</td><td>29.07</td></tr><tr><td>CPA-3</td><td>49.46</td><td>97.85</td><td>18.28</td></tr><tr><td>CPA-4</td><td>65.17</td><td>98.88</td><td>15.73</td></tr><tr><td>CPA-5</td><td>73.63</td><td>100</td><td>17.58</td></tr><tr><td>CPA-6</td><td>83.93</td><td>100</td><td>14.29</td></tr><tr><td>CPA-7</td><td>63.10</td><td>100</td><td>26.19</td></tr><tr><td>CPA-8</td><td>62.64</td><td>98.90</td><td>7.69</td></tr><tr><td>CPA-9</td><td>70.21</td><td>100</td><td>19.15</td></tr></table>	CPAs	% HH perceived reduction in firewood collection time for			Men	Women	Children	CPA-2	65.12	98.84	29.07	CPA-3	49.46	97.85	18.28	CPA-4	65.17	98.88	15.73	CPA-5	73.63	100	17.58	CPA-6	83.93	100	14.29	CPA-7	63.10	100	26.19	CPA-8	62.64	98.90	7.69	CPA-9	70.21	100	19.15
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SDG 2) 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Trainings to Masons)	Estimated:	20 throughout the PoA	Verified:	75																																							

SDG Contributions for Crediting Period 2:

SDG Contributions				
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Average annual consumption of woody biomass per household in the pre-project devices during the project activity)	Estimated:	0.54	Verified:	CPA-1: 0.51 tons/hh/year CPA-2: 0.47 tons/hh/year CPA-3: 0.50 tons/hh/year CPA-4: 0.48 tons/hh/year CPA-5: 0.48 tons/hh/year CPA-10: 0.51 tons/hh/year
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Quantity of woody biomass that is substituted or displaced)	Estimated:	CPA-1: 80,096.00 CPA-2: 79,807.64 CPA-3: 79,935.80 CPA-4: 79,979.85 CPA-5: 79,467.21 CPA-10: 47,650.50	Verified:	CPA-1: 75,737.81 tonnes CPA-2: 51,322.37 tonnes CPA-3: 55,250.57 tonnes CPA-4: 54,105.41 tonnes CPA-5: 29,915.13 tonnes CPA-10: 39,391.46 tonnes
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Net calorific value of the non-renewable)	Estimated:	0.0156	Verified:	0.0156 TJ/tonnes

biomass that is substituted)																																																			
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Users’ perception on reduction in indoor air pollution)	Estimated:	100	Verified:	CPA-1: 97.61% CPA-2: 100% CPA-3: 97.77% CPA-4: 93.26% CPA-5: 98.90 CPA-10:100%																																															
SDG 3.9.1 Mortality rate attributed to household and ambient air pollution (Users’ perception on reduction in health problem)	Estimated:	100	Verified:	<table><tr><th rowspan="2">CPAs</th><th colspan="4">% HH perceived reduction in</th></tr><tr><th>Eye infection</th><th>Respiratory diseases</th><th>Cough</th><th>Fire related injury</th></tr><tr><td>CPA -1</td><td>94.05</td><td>89.29</td><td>86.90</td><td>91.67</td></tr><tr><td>CPA -2</td><td>100</td><td>93.02</td><td>94.19</td><td>93.02</td></tr><tr><td>CPA -3</td><td>98.92</td><td>90.32</td><td>89.25</td><td>93.55</td></tr><tr><td>CPA -4</td><td>91.09</td><td>97.64</td><td>77.53</td><td>83.15</td></tr><tr><td>CPA -5</td><td>97.80</td><td>93.41</td><td>90.11</td><td>100</td></tr><tr><td>CPA -10</td><td>95.51</td><td>91.01</td><td>94.38</td><td>96.63</td></tr></table>	CPAs	% HH perceived reduction in				Eye infection	Respiratory diseases	Cough	Fire related injury	CPA -1	94.05	89.29	86.90	91.67	CPA -2	100	93.02	94.19	93.02	CPA -3	98.92	90.32	89.25	93.55	CPA -4	91.09	97.64	77.53	83.15	CPA -5	97.80	93.41	90.11	100	CPA -10	95.51	91.01	94.38	96.63								
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SDG 3.9.2 Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) (Users’ perception on connection of toilet to biogas)	Estimated:	100	Verified:	CPA-1: 67.86 % CPA-2: 74.42% CPA-3: 63.44% CPA-4: 89.89% CPA-5: 85.71% CPA-10: 96.63 %																																															
SDG 3.9.3 Mortality rate attributed to unintentional poisoning (Users perception in reduction of chemical fertilizers): Quantity of Employment (number of jobs created)	Estimated:	100	Verified:	<table><tr><th rowspan="2">CPAs</th><th colspan="5">% changes in use of chemical fertilizers and increase in use of bio-slurry</th></tr><tr><th>Farm Yard Manure</th><th>Bio-slurry</th><th>Urea</th><th>DAP</th><th>Potash</th></tr><tr><td>CPA-1</td><td>32.41</td><td>100</td><td>33.10</td><td>40.39</td><td>58.06</td></tr><tr><td>CPA-2</td><td>28.68</td><td>100</td><td>38.54</td><td>0</td><td>50</td></tr><tr><td>CPA-3</td><td>31.47</td><td>100</td><td>27.27</td><td>29.35</td><td>41.18</td></tr><tr><td>CPA-4</td><td>30.62</td><td>100</td><td>37.42</td><td>0</td><td>58.82</td></tr><tr><td>CPA-5</td><td>32.09</td><td>100</td><td>41.51</td><td>35.74</td><td>33.26</td></tr><tr><td>CPA-10</td><td>32.59</td><td>100</td><td>31.36</td><td>50</td><td>0</td></tr></table>	CPAs	% changes in use of chemical fertilizers and increase in use of bio-slurry					Farm Yard Manure	Bio-slurry	Urea	DAP	Potash	CPA-1	32.41	100	33.10	40.39	58.06	CPA-2	28.68	100	38.54	0	50	CPA-3	31.47	100	27.27	29.35	41.18	CPA-4	30.62	100	37.42	0	58.82	CPA-5	32.09	100	41.51	35.74	33.26	CPA-10	32.59	100	31.36	50	0
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SDG 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Users’ perception on time saving due to project for firewood collection)	Estimated:	100	Verified:	<table><tr><th rowspan="2">CPAs</th><th colspan="3">% HH perceived reduction in firewood collection time for</th></tr><tr><th>Men</th><th>Women</th><th>Children</th></tr><tr><td>CPA-1</td><td>73.81</td><td>95.24</td><td>10.71</td></tr><tr><td>CPA-2</td><td>65.12</td><td>98.84</td><td>29.07</td></tr><tr><td>CPA-3</td><td>49.46</td><td>97.85</td><td>18.28</td></tr><tr><td>CPA-4</td><td>65.17</td><td>98.88</td><td>15.73</td></tr><tr><td>CPA-5</td><td>73.63</td><td>100</td><td>17.58</td></tr><tr><td>CPA-10</td><td>49.44</td><td>98.88</td><td>5.62</td></tr></table>	CPAs	% HH perceived reduction in firewood collection time for			Men	Women	Children	CPA-1	73.81	95.24	10.71	CPA-2	65.12	98.84	29.07	CPA-3	49.46	97.85	18.28	CPA-4	65.17	98.88	15.73	CPA-5	73.63	100	17.58	CPA-10	49.44	98.88	5.62
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SDG 2) 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Trainings to Masons)	Estimated:	20 throughout the PoA	Verified:	75																															

Grievance:

The verification team checked the grievance mechanism, and it was confirmed that no grievances were received during the monitoring period. This was confirmed from the review of the Grievances provided in the GS MR/02/ and also during onsite visit interviews by the verification team.

The CME has given telephone numbers of the AEPC office (toll free no) and the relevant stakeholders such as biogas promoters association central and regional offices to contact directly and record their grievances.

Also, in APEC website a provision for online contact and complaint logging is available and the contact information of the officials concerned is given. During the site visit the households indicated that the during the warranty period the biogas companies were responsible for repair works and attended well. The majority of grievances were minor repair works by the local trained personnel along with the spare parts. The same is verified from the continuous grievance input database maintained.

Thus, the CME is having a grievance addressable mechanism to respond to the stakeholders concern.

Legal Contests and Disputes:

The verification team interviewed the CME to check if there are any legal contests and disputes with regards to the PoA and it was confirmed that there are no legal contests and disputes. Also, confirmed in the monitoring report/02/.

3.3 Issues remaining from the previous verification period or during validation

There are no issues pending from the previous verifications.

APPENDIX A

Carbon Check

Gold Standard Sustainability Monitoring Protocol

Nepal Biogas Support Program-PoA

in

Nepal

Report No. CCIPL1295/CDM-GS/VER/NBSP/20220413

Carbon Check's Checklist question	Ref.	MoV ¹	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?	/1/ /B07/	DR, 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?	/1/ /B06/ /B07/	DR, I	Methods to monitor data have not changed as compared with the monitoring plan in the approved revised PoA-DD/B06/ and Transition Annex/B07/.	OK	OK
1.3 Has the way of monitoring been followed? With the inclusion of dates and parameters?	/1/ /B07/	DR, I	The sustainability monitoring plan has been followed as per described in the approved revised PoA-DD /B06/ and Transition Annex/B07/.	OK	OK
1.4 Have mitigation measures been put in place to prevent the risk of the violation of the safe guarding principle of "Do No Harm" assessment or to neutralise a Sustainable Development Indicator that is being monitored?	/1/ /B07/	DR, I	The mitigation measures have been put in place that has been put in records as a proof of the same. Several supporting documents as listed under section 2.1 have been provided. Also, the physical verification of the households and interviews of the trained personals of PP were performed during the onsite interviews.	OK	OK
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?	/1/ /B07/	DR, I	Yes, all data in the sustainability development matrix have been verified and cross checked from the supporting documents and during the onsite interviews.	OK	OK
2. Other					
2.1 Are there any issues from the previous validation/verification? (ie	/1/ /B09/	DR, I	There are no issues pending from the previous verification or from	OK	OK

¹ MoV = Means of Verification, DR = Document Review, I = Interview, www = internet search.

FARs, requests/approvals for RMP)			validation.		
2.2 Has the project ever received any requests for reviews or incompletes from the UNFCCC or GS Secretariat?	/1/ /B09/	DR, I	No there are no request for reviews or incomplete for the project.	OK	OK
2.3 The evaluation of the status of mitigation and compensation measures has been verified.	/1/ /B09/	DR, I	Yes, the status of mitigation and compensation measures has been verified.	OK	OK

List of findings

Table 1. Remaining FAR from validation and/or previous verifications

FAR ID	XX	Section no.	E.2	Date: DD/MM/YYYY
Description of FAR				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
VVB assessment				Date: DD/MM/YYYY

Table 2. CL from this verification

CL ID	01	Section no.	3.1	Date: 27/09/2022
Description of CL				
In KPI, for Name and GS ID of fully Validated CPA/VPAs (i.e. non-compliance check) only 3 CPAs have been provided. CME shall clarify the reason for the same				
Project participant response				Date: 02/11/2022
As mentioned in the Gold Standard Monitoring Guideline, The CPA/VPAs which are validated along with PoA shall be included in the KPI section "Name and GS ID of fully Validated CPA/VPAs (i.e. non-compliance check)". The CPA 2, CPA 3 and CPA 4 are registered along with the Biogas PoA and there validation are done by DoE at the same time. As the validation of these CPAs (CPA2, CPA 3, and CPA4) are done along with the Biogas PoA, these CPAs are include in the aforementioned section of KPI.				
Documentation provided by CME				
VVB assessment				Date: 09/12/2022
CME has clarified that the title of CPA1 only has been provided in accordance with the Monitoring Report template. CL01 is closed.				

CL ID	02	Section no.	3.1	Date: 27/09/2022
Description of CL				
In section E.4 of the MR, the basis of baseline estimate is not clear.				
Project participant response				Date: 02/11/2022
Baseline estimate are the value of BE_y i.e. Baseline Emissions during the year y (tCO ₂ e) calculated using following formula. $BE_y = B_y \times f_{NRB,y} \times NCV_{biomass} \times EF_{projected_fossilfuel}$ Where: BE_y : Baseline Emissions during the year y (tCO₂e) B_y : Quantity of woody biomass that is substituted or displaced in tonnes (tonnes/year) $f_{NRB,y}$: Fraction of woody biomass used in the absence of the project activity in year y that can be established as non-renewable biomass using survey methods (Fixed Ex-ante = 86.1%) $NCV_{biomass}$: Net calorific value of the non-renewable woody biomass that is substituted (IPCC default for wood fuel: 0.0156 TJ/tonne) $EF_{projected_fossilfuel}$: Emission factor for substitution of non-renewable woody biomass by similar consumers. Use a value of 63.7 tCO₂/TJ				
Please see section E.5.1 of Monitoring Report and Emission Reduction Sheet.				
Documentation provided by CME				
- GS3110_Biogas PoA_Monitoring Report_CP-1_MP-8_V02_Clean_version - GS3110_ER Calculation sheet_Biogas PoA_CP-1_MP-8_V02				

VVB assessment			Date: 25/11/2022
CME has clarified that the baseline estimate are based on the equation provided. However, it is not clear if the values for SDG3 and SDG7 are based on the same equation. CME shall also clarify the basis of project estimate. CL02 remains open.			
Project participant response			Date: 25/11/2022
Since, in the absence of PoA, no impact from project activity in baseline since pre-project devices are being used, the baseline value for SDG 3 and SDG 7 applicable for the PoA are considered as 0. Please see section E.1 of the monitoring report in detail for the estimation of SDG 3 and SDG 7 parameters.			
Documentation provided by CME			
- GS3110_Biogas PoA_Monitoring Report_CP-1_MP-8_V02_Clean_version - GS3110_ER Calculation sheet_Bioga PoA_CP-1_MP-8_V02			
VVB assessment			Date: 09/12/2022
CME has clarified that there are no impacts in baseline for SDG3 and SDG7. CL02 is closed.			

CL ID	03	Section no.	3.1	Date: 27/09/2022
Description of CL				
The latest available Monitoring Report and Verification Report for the PoA under GS registry is available for the MP6 (i.e. 01/08/2018 to 30/01/2020). CME shall clarify if the verification for MP7 was concluded under Gold Standard. Furthermore, CME shall provide the following documents in this regard:				
- GS Monitoring Report for MP7 - GS Verification Report for MP7 - GS Performance Review Feedback form for MP7				
Project participant response				Date: 02/11/2022
The GS Monitoring Report for MP 7, GS Verification Report for MP 7 and GS Performance Review Feedback form for MP7 are included as a supporting document Please see SD#1, SD#2 and SD#3.				
Documentation provided by CME				
- SD#1_GS FVR_GS 3110 Biogas PoA - CPA2 to CPA9 - SD#2_GS3110_Nepal Biogas Support Program-PoA_Monitoring Report_R1_CPA-2 to CPA-9_V01 - SD#3_GS3110_CPA2-CPA9_GS4GG Performance Review_Final_04010201				
VVB assessment				Date: 09/12/2022
CME has provided the relevant documents listed for the previous verification to the verification team. CME shall respond to the FAR01 from GS Feedback (raised as CAR02) in the findings list. CL03 is closed.				

Table 3. CAR from this verification

CAR ID	01	Section no.	3.1	Date: 27/09/2022
Description of CAR				
SDG calculation spreadsheet has not been provided to the verification team to cross-check the results for SDG values reported.				
CME response				Date: 02/11/2022
The SDG calculation spreadsheet has been provided in the ER calculation sheet. Please see the ER calculation sheet.				
Documentation provided by CME				
GS3110_ER Calculation sheet_Bioga PoA_CP-1_MP-8_V02				
VVB assessment				Date: 25/11/2022

1. The mortality rate for children (3.9.1 Mortality rate attributed to household and ambient air pollution (User's perception in Time saving for the cooking (reduce exposure to indoor air pollution))-%) and 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Users' perception on time saving due to project for firewood collection) is not clearly presented in section E.4 of the monitoring report.
2. Furthermore, CME has only proposed BUS dataset to the verification team and the calculation of the results is not provided.

CAR01 remains open.

Project participant response	Date: 25/11/2022
1. The mortality rate for children (3.9.1 Mortality rate attributed to household and ambient air pollution (User's perception in Time saving for the cooking (reduce exposure to indoor air pollution))-%) and 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Users' perception on time saving due to project for firewood collection) are clearly presented in section E.4 of the monitoring report. Please see GS3110_Biogas PoA_Monitoring Report_CP-1_MP-8_V02_Clean_version 2. The calculation of the results as per the BUS dataset is attached in the supporting document. Please see SD#4.1, SD#5.1, SD#6.1, SD#7.1, SD#8.1 SD#9.1 andSD#10.1	
Documentation provided by CME	
1. GS3110_Biogas PoA_Monitoring Report_CP-1_MP-8_V02_Clean_version 2. SD#4.1_CPA_3_Data Analysis 3. SD#5.1_CPA_4_Data Analysis 4. SD#6.1_CPA_5_Data Analysis 5. SD#7.1_CPA 6 _Data Analysis 6. SD#8.1_CPA 7 _Data Analysis 7. SD#9.1_CPA 8 _Data Analysis 8. SD#10.1_CPA 9 _Data Analysis	
VVB assessment	Date: 09/12/2022
1. CME has provided the details of the mortality rate for children (3.9.1 Mortality rate attributed to household and ambient air pollution (User's perception in Time saving for the cooking (reduce exposure to indoor air pollution))-%) and 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Users' perception on time saving due to project for firewood collection) in section E.4 of the clean version of the monitoring report. CAR01.1 is closed. 2. CME has provided the calculation results for the BUS dataset to the VVB in the revised set of documents. CAR01.2 is closed.	

CAR ID	02	Section no.	3.1	Date: 14/11/2022
Description of CAR				
PP shall Initiate CP renewal for CPA2, CPA3, CPA4 and CPA5. PP may loose credits due to delay in renewal of CP. VVB shall check at the time of next verification.				
CME response				Date: 21/11/2022
The CME will initiate the CP renewal of CPA 2, CPA 3, CPA 4 and CPA 5 as suggested.				
Documentation provided by CME				
VVB assessment				Date: 22/11/2022
CME has stated that the CP renewal will be initiated, a FAR has been raised in this regard. FAR01 has been raised.				

Table 4. FAR from this verification

FAR ID	01	Section No.		Date: 22/11/2022
Description of FAR				
<i>PP shall Initiate CP renewal for CPA2, CPA3, CPA4 and CPA5. PP may loose credits due to delay in renewal of CP. VVB shall check at the time of next verification.</i>				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
VVB assessment				Date: DD/MM/YYYY

APPENDIX B

Certificates of Competence



Carbon Check (India) Private Limited

Certificate of Competency

Mr. Anubhav Dimri

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 |
| ☒ SDG+ | ☒ Social no-harm(S+) | ☒ Environment no-harm(E+) | ☐ CCB Expert |
| ☒ Financial Expert | ☒ Local Expert for India, South Africa and Spanish speaking countries | | |

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 | | | |

Issue Date

1st January 2023

Expiry Date

31st December 2023



Mr. Vikash Kumar Singh
Compliance Officer



Mr. Amit Anand
CEO



Carbon Check (India) Private Limited

Certificate of Competency

Mr. S. Ranganathan

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 |
| ☒ SDG+ | ☒ Social no-harm(S+) | ☒ Environment no-harm(E+) | ☐ CCB Expert |
| ☒ Financial Expert | ☒ 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 | | | |

Issue Date

1st January 2023

Expiry Date

31st December 2023



Mr. Vikash Kumar Singh
Compliance Officer



Mr. Amit Anand
CEO



Carbon Check (India) Private Limited

Certificate of Competency

Prasan Karmacharya

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, 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 |
| ☐ SDG+ | ☐ Social no-harm(S+) | ☐ Environment no-harm(E+) | ☐ CCB Expert |
| ☐ Financial Expert | ☒ Local Expert for Nepal | | |

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 | | | |

Issue Date
03rd May 2023

Expiry Date
02nd May 2024



Mr. Vikash Kumar Singh
 Compliance Officer



Mr. Amit Anand
 CEO

Annexure



Interviewed persons for Crediting period 1:

Stove Number	Name of person interviewed
MGC02404	Sukumaya Magar
MBN00936	Sarada Suvedi
MBN00977	Laxmi Suvedi
MEC07846	Bhagiratha Dangal
MMU00491	Munu Bishwokarma
MEC07650	Anikt phuyal
MEC07018	Kabita Devi Luitel
MGC03404	Dilli Ram gautam
KGC00500	Anita Bohara
KGC00476	Goma Dhakal
MEC05176	Bhim Kumari Pradhan
MEC05881	Lekh Bdr Pradhan
MEC05295	Nirmala Thapa Khadka
MEC05146	Sirjana Tamang
DGG-773	Binod Gaurtaula
SGC01563	Naina Singh Rai
MBN00011	Ramesh Kumar Kafle
LKG00015	Ganga Maya Gautam

Interviewed persons for Crediting Period 2:

Stove Number	Name of person interviewed
MGC01680	Januka Devi Kalfe
MEC02557	Oma Bahadur Rana
MGC01676	Bhoj Kumari Subedi
SHI00496	Indramaya Bhattarai
MBN00011	Ramesh Kumar Kafle
LKG00015	Ganga Maya Gautam
GON04462	Kul Bahadur Biswakarma
SGC01110	Pushpa Bdr. Thapa
MGC01246	Punya Pd. Adhikari
SGC00834	Netra Pd. Parajuli
MGC00617	Bhim Bdr. Khadka
MGC00643	Tulsi Ram Pokharel
MGC00626	Sita Dulal
MGC00819	Bhanu Dahal
SGC00551	Laxmi Dahal
SGC01125	Dambar Bdr. Gautam
KGC00190	Khem Raj Shreshta
SID01658	Rajendra Lamichhane
MEC03378	Ishwori Maya Tamang