

Verification and certification report form for Gold Standard programme of activities(Version 04.0)

BASIC	INFORMATION			
Title and GS ID of the programme of	Nepal Biogas Support Program-PoA GS3110			
activities (PoA)	UNFCCC PoA ID: 9	9572		
Version number(s) of the PoA-DD(s) to which	GS 3109/CPA-1: v	ersion 03		
this report applies	GS 3113/CPA-2: V	ersion 04		
	GS 3114/CPA-3: V	ersion 04		
	GS 3116/CPA-4: V	ersion 04		
	GS 3556/CPA-5: V	ersion 11		
	GS 6393/CPA-6: V	ersion 08.2		
	GS 6394/CPA-7: V	ersion 08.2		
	GS 10739/CPA-10	: version 03.1		
Version number of the verification and certification report	4.1			
Completion date of the verification and certification report	02/02/2024			
Monitoring period number and duration of	03 Monitoring perio	od of Crediting Peri	od 2	
this morning period	01/01/2022 to 31/12/2022			
Number and version number of the	Monitoring report number: 02 of 02			
applies	Version number of monitoring report: 02			
Coordinating/managing entity (CME)	Alternative Energy	Promotion Centre	(AEPC)	
Host Parties	Host Parties of the	PoA Is this a hos covered in t	t Party to a CPA nis report? (yes/no)	
	Nepal	Yes		
Applied methodologies and standardized baselines	AMS.I.E. Switch Thermal Applicatio	from Non-Renew ns by the User (ver	able Biomass for sion 09)	
Mandatory sectoral scopes	Sectoral Scope 1: renewable sources	Energy industries (i	enewable - / non-	
Conditional sectoral scopes, if applicable	NA			
Estimated amount of GHG emission reductions or GHG removals for this monitoring period in the included CPAs covered in this report	421,520 tCO ₂ e			
Certified amount of GHG emission reductions or GHG removals for this monitoring period for the included CPAs	Amount before 1 January 2013	Amount from 1 January 2013 unti 31 December 2020	Amount from 1 January 2021	
covered in this report	0	0	381,686 tCO ₂ e	

Name and UNFCCC GS ID of the VVB	Carbon Check (India) Private Limited
	(E-0052)
Name, position and signature of the approver of the verification and certification report	Saujors Atemalla
	Sanjay Kumar Agarwalla, Technical Director

SECTION A. Executive summary

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atmosfair gGmbH has appointed the VVB, Carbon Check (India) Private Ltd on behalf of CME (Alternative Energy Promotion Centre (AEPC) to perform verification of the GS PoA "Nepal Biogas Support Program-PoA" (GS ID: 3110) in Nepal (hereafter referred to as "Programme of Activities or PoA") for the CPAs titled "Nepal Biogas Support Program - CPA 1: 19,999 digesters" (GS ID: 3109), "Nepal Biogas Support Program - CPA 2: 19,927 digesters" (GS ID: 3113), "Nepal Biogas Support Program - CPA 3: 19,959 digesters" (GS ID: 3114), "Nepal Biogas Support Program - CPA 4: 19,970 digesters" (GS ID: 3116), "Nepal Biogas Support Program - CPA 5: 19,842 digesters" (GS ID: 3566), "Nepal Biogas Support Program - CPA 6: 18,504 digesters (GS ID: 6393), "Nepal Biogas Support Program - CPA 7: 18,392 digesters (GS ID: 6394), "Nepal Biogas Support Program - CPA 10: 10,589 digesters" (GS ID 10739). The other CPAs are not reported in this batch of the monitoring report (batch 2 of 2). The PoA aims at implementing household biogas applications. These applications displace firewood and fossil fuels with biogas from animal waste and human excreta. The different sizes of the digesters that would be included in the programme would be of 2, 4, 6, 8 and 10 m³. The programme uses only one design i.e. GGC 2047 model.

Biogas plants constructed under this PoA comprise of three major components; the inlet, the digester and the outlet, aligned in a straight line. All these structures are prepared of masonry walls of bricks or stones, depending upon the material availability. Digester unit is a underground chamber where the mixture of animal dung and water is fed into where the microbial activity takes place. The microbes act upon the dung (the substrate) under anaerobic conditions to release methane and carbon dioxide. The methane released from the digester is collected at the dome which is connected to gas hose pipe fitted at turret at the center of the dome. Biogas collected at the dome dispensed to biogas stove through this gas hose pipe via turret. Once the gas pressure is sufficient in dome, it exerts pressure to the slurry in the digester and slurry is released from the outlet.

This report summarises the findings of the verification of the project, performed on the basis of paragraph 62 of the CDM Modalities & Procedures, as well as criteria given to provide for consistent project operations, monitoring and reporting and the subsequent decisions by the CDM Executive Board. Verification is required for all registered CDM project activities intending to confirm their achieved emission reductions and proceed with request for issuance of CERs. This report contains the findings and resolutions from the verification and a certification statement for the certified emission reductions.

Objective:

Verification is the periodic independent review and ex-post determination of both quantitative and qualitative information by a Designated Operational Entity (VVB) of the monitored reductions in GHG emissions that have occurred as a result of the registered CDM 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 for the "Nepal Biogas Support Program-PoA", in a geographically distinct area within Nepal for the period 01/01/2022 - 31/12/2022.

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. CCIPL's objective is to perform a thorough, independent assessment of the registered programme of activities.

The verification is not meant to provide any consulting towards the project participants/coordinating managing entity. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the programme design.

In particular, the monitoring plan, monitoring report and the project's compliance with relevant UNFCCC and host Party criteria are verified in order to confirm that the component project/s has/have been implemented in accordance with the previously registered/included component project design and conservative assumptions, as documented. It is also confirmed if the monitoring plan is in compliance with the CPA-DDs and the approved monitoring methodology.

Scope:

The scope of the verification is:

- To verify the project implementation and operation with respect to the registered CPA-DDs
- To verify the implemented monitoring plan with the registered 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 is 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 covering the monitoring period from 01/01/2022 - 31/12/2022 and based on the revised CPA-DDs including the monitoring plan, emission reduction calculation spread-sheet, monitoring methodology and all related evidence provided by project participant.

 The verification team assigned by the VVB concludes that the registered PoA-DD /B04/, CPA-DDs for CPAs, GS ID:3109) (CPA01), GS ID:3113 (CPA02), GSID:3114 (CPA 03), GS ID 3116 (CPA 04), GS ID 3566 (CPA 05) GS ID: 6393 (CPA06) GS ID: 6394 (CPA07) and GS ID 10739 (CPA 10) are as described in the CPA-DDs /B04/ and monitoring report /01/, meets all relevant 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. The verification has been conducted in-line with the VVS requirements Version 03.0 /B01-1/.

SECTION B. Verification team, technical reviewer and approver

No.	Role		Last name	First name	Affiliation	Ir	nvolve	ment i	in
		Type of resource			(e.g. name of central or other office of VVB or outsourced entity)	Desk/document review	On-site inspection	Interview(s)	Verification findings

B.1. Verification team members

1.	Team Leader/ Technical Expert/ Verifier	IR	Choudhary	Aparna	CCIPL	Х	Х	X	Х
2.	Local Expert	ER	Karmacharya	Prasan	CCIPL		Х	Х	
3.	Assessor	IR	Rajput	Jaya	CCIPL	Х	Х	Х	Х

B.2. Technical reviewer and approver of the verification and certification report

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No.	Role	Type of	Last name	First name	Affiliation
		resource			(e.g. name of
					central or other
					office of VVB or
					outsourced entity)
1.	Technical reviewer	IR	С	Indumathi	CCIPL
2.	Approver	IR	Agarwalla	Sanjay Kumar	CCIPL

SECTION C. Application of materiality in conducting the verification

C.1. Consideration of materiality in planning the verification

No.	Risk that could lead to	A	Assessment of the risk	Response to the risk in the
	material errors, omissions or misstatements	Risk level	Justification	verification plan and/or sampling plan
1.	Human error in the quantification of emissions (which may be more likely to occur if personnel are unfamiliar with, or not well trained regarding, emissions processes or data recording).	Low	Being second monitoring period of the second crediting period, the CME is familiar with the monitoring system and reporting requirements. Therefore, there is less likelihood to have human error in the quantification of emissions. The monitoring period is only one year. Hence, the risk level is low.	During the onsite interview, the audit team has interviewed the personnel of the monitoring team and checked all records to confirm whether the monitoring plan has been well implemented. The recording of monitoring parameters used for determining the project's baseline emissions are used from monitoring survey report, statistically approved sampling plan and project installation database. The verification team shall review the whole data set of records and crosschecked against relevant options. The verification team shall interview the staffs of the monitoring team and check the relevant records to confirm whether the data collection procedure and QA/QC procedure have been well implemented.
2.	Undue reliance on a poorly designed information system, which may have few effective quality controls.	Low	The CME has already established a well- organized monitoring team, monitoring plan, including data collection procedure and QA/QC procedure consistent with registered monitoring plan. The main data parameter to be monitored is operation status of biogas systems which is done through sampling by AEPC. In addition, PP manages,	During the onsite interview, the audit team has interviewed the personnel of the monitoring team and checked all records to confirm whether the monitoring plan has been well implemented. The recording of monitoring parameters used for determining the project's baseline emissions are used from monitoring survey report, statistically approved sampling plan and project installation database. The verification

			entire project database to locate and monitor as and when required. Therefore, less likelihood that poor flow of required data can be witnessed. Hence, the risk level is low.	team shall review the whole data set of records and crosschecked against relevant options. The verification team shall interview the staffs of the monitoring team and check the relevant records to confirm whether the data collection procedure and QA/QC procedure have been well implemented.
3.	Manual adjustment of otherwise automatically recorded activity levels	N/A	There is no data parameter which needs to adjust manually. Therefore, no risk identified.	During the onsite interview, the audit team has interviewed the personnel of the monitoring team and checked all records to confirm whether any data parameters required manual adjustment. The recording of monitoring parameters used for determining the project's baseline emissions are used from monitoring survey report, statistically approved sampling plan and project installation database. The verification team shall review the whole data set of records and crosschecked against relevant options. The verification team shall interview the staffs of the monitoring team and check the relevant records to confirm whether the data collection procedure and QA/QC procedure have been well implemented.

C.2. Consideration of materiality in conducting the verification

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The threshold of materiality was evaluated based on §13 of "Guideline: Application of materiality in verifications" (version 02.0) /**B07**/ and § 305 of CDM VVS for PoA (version 03.0) /**B01-1**/. It was concluded that the materiality threshold applicable to the project activity based on actual emission reductions achieved is 5% of 381,686 tCO₂e: 19,084tCO₂e.

In planning the verification, verification team took cognizance of §11 and 12 of the "Guideline: Application of materiality in verifications" (version 02.0) **/B07/**. A materiality threshold of 19,084 tCO₂e for CPAs in monitoring report 2 of 2 is determined in line with §306 (a) of CDM VVS for PoA (version 03.0) **/B01-1/**.

The verification has been performed through a desk review and site visit including interviews with relevant personnel. The risks identified were mitigated by complete verification of the monitoring survey records, interviews with the household survey participants and inspection of biogas plants as done by the verification team and compared with the values indicated in the emission reduction spread sheet/**04**/.

In conducting the verification, VVB VVB took cognizance of §13-17 of the "Guideline: Application of materiality in verifications" (version 02.0) **/B07/** and based on the input of data from different sources checked through review of records during onsite visit and desk review. Some mistakes were identified and subsequently finding were raised. These findings are detailed in Appendix 4 and they were successfully closed. Therefore, related identified mistakes as listed in findings in Appendix 4 to this report have been determined to be immaterial.

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**/, emission reduction worksheet **/02**/ and supporting documentation. This process included review of data and information presented to verify their completeness and review of the monitoring plan and monitoring methodology. Documents reviewed or referenced during the verification are listed in Appendix 3 below.

D.2. On-site inspection

Duration of on-site inspection: 12/09/2023 to 15/09/2023						
No.	Activity performed on-site	Site location	Date	Team member		
1.	An assessment of the implementation and operation of the registered project activity as per the registered/ included PoA-DD/ CPA-DDs.	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
2.	A review of information flows for generating, aggregating and reporting the monitoring parameters	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
3.	Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the registered/ included PoA-DD/ CPA-DDs.	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
4.	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	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
5.	A check of the monitoring process including performance during the monitoring period and observations of monitoring practices against the requirements of the registered/ included PoA-DD/ CPA-DDs and the selected methodology and corresponding tool(s), where applicable	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
6.	A review of calculations and assumptions made in determining the GHG data and emission reductions	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		
7.	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	Nepal	12/09/2023 to 15/09/2023	Aparna Choudhary Prasan Karmacharya Jaya Rajput		

D.3. Interviews

No.	Interviewee			Interviewee Date Subje					Team member		
	Last name	First name	Affiliation								
1.	Niraula	Gopi	Constructor	12/09/2023	Installation of	Aparna Choudhary					
				to	the stoves,	Prasan Karmacharya					
				15/09/2023	maintenance	Jaya Rajput					
					activities						
2.	Pokhrel	Sanjayaraj	Constructor	12/09/2023	Installation of	Aparna Choudhary					
				to	the stoves,	Prasan Karmacharya					
				15/09/2023	maintenance	Jaya Rajput					
					activities						

3.	Limbu	Indra	Constructor	12/ 09 /2023 to 15/ 09 /2023	Installation of the stoves, maintenance	Aparna Choudhary Prasan Karmacharya Jaya Rajput
4.	Sunuwar	Om Bahadur	Biogas (SGC)	12/ 09 /2023 to 15/ 09 /2023	Installation of the stoves, maintenance activities	Aparna Choudhary Prasan Karmacharya Jaya Rajput
5.	Amar	Abinash	AEPC	12/ 09 /2023 to 15/ 09 /2023	Details of survey, methodology, survey results, QA/QC procedure etc.	Aparna Choudhary Prasan Karmacharya Jaya Rajput
6.	Shreshta	Shreejan Ram	AEPC	12/ 09 /2023 to 15/ 09 /2023	MR preparation, CDM and GS requirements, Emission reduction calculations, methodology applicability, start date justification, Project Design, ownership details, carbon credit sharing arrangements, monitoring and reporting arrangements, QA/QC procedures, baseline assessment, project technology etc	Aparna Choudhary Prasan Karmacharya Jaya Rajput
7	Neupane Rijal	Renu	End User; UNO00291	12/09/2023 to 15/09/2023	End user feedback	Aparna Choudhary Prasan Karmacharya Jaya Rajput
8	Ghimire	Tikaram	End User; MGC00580			Aparna Choudhary Prasan Karmacharya Jaya Rajput
9	Khatiwada	Goma Devi	End User; PAR00422			Aparna Choudhary Prasan Karmacharya Jaya Rajput
10	Khatri	Dikmaya Neupane	End User; MGC02419			Aparna Choudhary Prasan Karmacharya Jaya Rajput
11	Baral	Birendra Kumar	End User; MBN00307			Aparna Choudhary Prasan Karmacharya Jaya Rajput
12	Dahal	Kumar Pd.	End User; MBN00353			Aparna Choudhary Prasan Karmacharya Jaya Rajput
13	Bhujel	Kabiraj	End User; MUB00186			Aparna Choudhary Prasan Karmacharya Jaya Rajput
14	Niraula	Kalpana	End User; MBN01597			Aparna Choudhary Prasan Karmacharya Jaya Rajput

D.4. Sampling approach

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PP's sampling approach:

PP has proposed stratified random sampling plan using 90/10 as confidence / precision. This is in line with the applied methodology /B02/. The sample size for each parameter is determined following guidelines for Sampling and Surveys for CDM Project activities and Programme of Activities Ver. 4.0 (EB86, Annex 4) **/B06**/. The monitoring parameters monitored through the sampling plan are:

- a) Biogas performance The share of operational biogas plants (Py Stratified proportion (%))
- b) Average annual consumption of woody biomass (BC_{PJ,HH,y} Mean Value parameters)

The sample size calculated for each CPA is provided below:

#	CPA-1	CPA-2	CPA-3	CPA-4	CPA-5	CPA-6	CPA-7	CPA-10
Sample Calculated (Mean								
value Parameters)	20	20	14	14	28	30	20	15
Sample Calculated								
(Proportional Parameters)	34	39	21	25	17	34	34	54
Conservative sample No	34	39	21	25	28	34	34	54
Minimum sample for Terai	18	20	9	11	14	19	18	22
Minimum sample for Hill	15	18	11	13	13	14	15	31
Minimum Sample for Remote								
Hill	1	1	1	1	1	1	1	1
Minimum sample stipulated								
in PoA-DD	75	75	75	75	75	75	75	75
Sample Taken for the Survey	100	100	100	100	100	100	100	100
Sample in Terai	52	50	45	45	50	56	52	42
Sample in Hill	44	46	51	51	46	40	44	54
Sample in Remote Hill	4	4	4	4	4	4	4	4

The sample size for the mean value parameter was less than 30 and thus in accordance with the 14 of the sampling standard, version 09 **/B06/**, t-distribution was used for the sample size. The sample size thus determined is 08. Thus, the sample size used by the CME for CPA-1 of 100 is deemed sufficient to meet the sampling requirements. /11/

PP has desired to attain 90/10 confidence/precision for the parameters under consideration. The precision values have been cross checked with the PP's precision calculation sheet,/11/ and has been found appropriate with CDM Standard: Sampling and surveys for CDM project activities and programmes of activities (version 09.0) /B06/

CCIPL's verification sampling approach:

As per §25 of the Standard: Sampling and surveys for CDM project activities and programmes of activities (version 09.0) **/B06/**, the verification team has to verify whether the project participant 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.

In line with §26 of the Sampling Standard (version 09.0) **/B06**/, the verification team has applied a sampling approach for onsite surveys as part of verification. Since PP had applied a sampling approach, the verification team has chosen acceptance sampling for monitoring parameters in accordance with §28 of the sampling standard (version 09.0) **/B06**/.

The following table illustrates the agenda covered during the acceptance sampling for the monitoring survey by the VVB in accordance with Table 1, § 37 of "Standard: Sampling and surveys for CDM project activities and programmes of activities (version 09.0) /**B06**/;

Parameter	How the PP conducted sampling surveys	How the VVB could obtain records for verification	Criteria for deciding what ultimately constitutes a discrepancy
Biogas performance - The share of operational digesters, P _y – Proportion Parameter	Sampling based survey (questionnaire survey/interviews)	 Cross-check of a sample of PP's samples (Questionnaire, operation surveys/interviews) including but not limited to following: Consistency between the information as contained in Survey sheet and revealed from off-site inspection interviews Baseline scenario Enquire/observe whether biogas systems are in use or not? Enquire whether baseline systems are still in use or not? 	VVB results, accounting for duly justified differences.
Average annual consumption of woody biomass (BC _{PJ,HH,y} - Mean Value parameters)	Sampling based survey (questionnaire survey/interviews)	 Cross-check of a sample of PP's samples (Questionnaire, operation surveys/interviews) including but not limited to following: Consistency between the information as contained in Survey sheet and revealed from off-site inspection interviews Baseline scenario Enquire/observe quantity of biomass that is substituted or displaced? Enquire whether baseline systems are still in use or not? Consumption of woody biomass in the pre-project devices were not completely displaced but continue to be used to some extent. 	VVB results, accounting for duly justified differences.

CCIPL has considered §30 and §31 of "Standard for Sampling and surveys for CDM project activities and programmes of activities, Version 09.0" for determining the sampling size to be visited by VVB /**B06**/. In case of the current verification, the emission reduction is 381,686 tCO₂e for this MP, the verification team determined the sample size for acceptance sampling by evaluating the following, using its own professional judgment and guidance in the Standard 'Sampling and surveys for CDM project activities and programme of activities' version 09.0 /**B06**/: Considering Acceptable Quality Level (AQL): 0.5% Unacceptable Quality Level (UQL): 20% and producer risk of 5% and consumer risk of 20% a sample size of 08 was required as per Table 2 in the referred Standard /**B06**/. Acceptance number (c) thus determined for the sample size is 08. CCIPL verified a total of 08 samples from 800 samples (1 sample for each CPA) to verify the project activity for the operational status of the biogas plants and 08 samples from 800 samples to verify the average annual consumption of woody biomass. The biogas details (unique serial number, date of installation, name of user and address) were also checked and found to be consistent with that reported in the project database. No inconsistency was observed for any of the 08 samples with respect to the operation status and mean type parameters reported in the User Survey Reports/03/. (See section D.3 of this report)

The parameters which are subjected to sampling are mentioned below:

Parameter	Frequency
ВС _{РЈ,НН,у}	Biennial
By	Biennial
Users' perception on reduction in indoor air pollution	Biennial
Reduction in health problem	Biennial
User's perception in Time saving for the cooking (reduce exposure to indoor air	
pollution)	
Time saving (Fuel wood collection)	
Users perception in reduction of chemical fertilizers	
Improved access to sanitation services	
Trainings to Masons	Biennial
Impact on Crop Productivity	Biennial

D.5. Clarification requests, corrective action requests and forward action requests raised

Areas of verification findings	No. of CL	No. of CAR	No. of FAR
General			
Compliance of the monitoring report with the monitoring report form		CAR 02	
Remaining forward action requests from validation and/or previous verifications			FAR 01
CPAs considered for verification and covered in this report			
Programme of activities			
Compliance of the programme implementation with the registered PoA-DD			
Implementation and operation of the management system			
Post-registration changes			
Corrections			
 Inclusion of a monitoring plan 			
 Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents¹ 			
Changes to the programme design			
Addition of CPA inclusion template			
Change of coordinating/managing entity			
 Changes specific to afforestation and reforestation activities 			
Component project activities			
Compliance of the CPA implementation with the included CPA design document			
Post-registration changes			
Temporary deviations from registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents			
Corrections			
Changes to the start date-of the crediting period			
Inclusion of a monitoring plan			

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

 Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents 			
Changes to the project design			
Changes specific to afforestation and reforestation activities			
Compliance of the registered monitoring plan with applied methodologies and standardized baselines			
Compliance of monitoring activities with the registered monitoring plan			
Data and parameters fixed ex ante or at renewal of crediting period			
Data and parameters monitored			
Implementation of sampling plan			
Compliance with the calibration frequency requirements for measuring instruments			
Assessment of data and calculation of emission reductions or net removals			
 Calculation of baseline GHG emissions or baseline net GHG removals by sinks 		CAR 03	
Calculation of project GHG emissions or actual net GHG removals by sinks			
 Calculation of leakage GHG emissions 			
 Summary of calculation of GHG emission reductions or net GHG removals by sinks 			
Comparison of actual GHG emission reductions or net GHG removals by sinks with estimates in included CPA			
Remarks on difference from estimated value in included CPA			
Assessment of reported sustainable development co- benefits			
Global stakeholder consultation			
Others (please specify) Missing Documents		CAR 01	
Total		03	

SECTION E. Verification findings

E.1. General

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

Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	CME has used the Monitoring report form, for GS programme of activities, version 05.0 /B02/. Verification team confirms that the latest available version of monitoring report /01/ /02/ has been used by the CME and the MR is in compliance of the monitoring report form with the relevant form and instructions therein /B02/.

Remaining forward action requests from validation and/or previous verifications E.1.2. >>

Based on the review of the previous verification report, 1 FARs was raised which needed to be addressed during this verification and has been addressed in appendix 4.

E.1.3. CPAs considered for verification and covered in this report

Title and GS ID of the CPA included in the PoA as of the end of this monitoring period	Is the CPA considered for this verification? (yes/no)	The date when the CPA was included	Version of the PoA-DD	Confirmation that a request for issuance including the CPA has been published for the previous monitoring period (Y/N)
Nepal Biogas Support Program- CPA 1: 19,999 digesters (3109)	Yes	04/08/2020	Version 17.0	Y
Nepal Biogas Support Program - CPA 2: 19,927 digesters (3113)	Yes	05/05/2021	Version 17.0	Y
Nepal Biogas Support Program - CPA 3: 19,959 digesters (3114)	Yes	05/05/2021	Version 17.0	Y
Nepal Biogas Support Program - CPA 4: 19,970 digesters (3116)	Yes	05/05/2021	Version 17.0	Y
Nepal Biogas Support Program - CPA 5: 19,842 digesters (3566)	Ye	05/05/2021	Version 17.0	Y
Nepal Biogas Support Program - CPA 6: 18,504 digesters (6393)	Yes	08/07/2022	Version 17.0	Y
Nepal Biogas Support Program – CPA 7: 18,392 digesters (6394)	Yes	08/07/2022	Version 17.0	Y
Nepal Biogas Support Program - CPA 10: 10,589 digesters (10739)	Yes	18/05/2020	Version 17.0	Y

E.2. Programme of activities

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

Means of verification	DR, I			
Findings	CL01 had been raised i	n this regard and	has been resolved.	
Conclusion	features (technology, project equipment, and monitoring and metering equipment) of the included CPAs in the approved PoA-DD/B04/ are in place and that the coordinating/managing entity has operated the PoA and the CPAs as per the approved PoA-DD and the approved CPA-DDs/B04/. The PoA aims at implementing household biogas applications. The technologies used in this CPA are household biogas digesters with a sludge and gas holding capacity range of up to 10 m ³ . The different sizes of the digesters that would be included in the programme would be of 2, 4, 6, 8 and 10 m ³ . The programme uses only one design i.e. GGC 2047 model. The total number of biogas implemented in each CPA are provided below:			
	Ref Number of Construction Construction Digesters Start Date End Date			
	CPA-1, GS ID:3109	19,999	22/06/2007	18/03/2009
	CPA-2, GS ID:3113	19,927	19/03/2009	09/03/2010
	CPA-3,GS ID:3114	19,959	10/03/2010	19/02/2011

CPA-4, GS ID:3116	19,970	20/02/2011	28/02/2012
,			
CPA-5, GS ID:3566	19,842	29/02/2012	23/05/2013
	,		
	10 50 1	04/05/0040	04/04/0044
CPA-6, GS ID: 6393	18,504	24/05/2013	04/04/2014
CPA-7 GS ID 6394	18 302	05/04/2014	31/12/2014
017(7, 0010.0004	10,002	00/04/2014	01/12/2014
CPA-10 GS	10 589	13/07/2018	19/10/2019
ID:40700	10,000	10/01/2010	10/10/2010
ID:10739			
Verification to one confirm	a that the war are	waaa baa baan inna	lawsented as norths
venilication team confirm	is that the progra	amme nas been imp	lemented as per the
approved revised PoA-D	D. This confirms	the compliance of	§ 338(a), § 340 and §
245 of CDM \/\/S for Do	Λ_{0} vorsion 02.0	/P01 1/	3 ···· (/, 3 · ··· aa. 3
345 01 CDIVI V V S 101 P0/	AS, VEISION U3.U	/DU1-1/.	

E.2.2. Implementation and operation of the management system

Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	The PoA management system including the record-keeping system has been explained in the approved PoA-DD /B04/. During the course of verification, verification team based on the review of the provided documents and onsite visit interviews/observations has assessed this management system. This included the organisational structure, roles and responsibilities, data collection, transfer and aggregation procedures, training of personnel /09 /, data storage and archiving and emergency procedures for the monitoring system.
	On the basis of onsite visit interviews with the personnel of AEPC involved in the project monitoring and data collection, inspection of monitoring database & equipment used and document review, CCIPL can confirm that the responsibilities and authorities for monitoring and reporting are appropriate and effective for the project type and hence in accordance with the monitoring plan of the approved PoA-DD /B04/ and the applied monitoring methodology /B02/.
	The verification team confirms that the monitoring management system of the GS 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 PoAs, version 03.0 / B01-1 /.

E.2.3. Post-registration changes

E.2.3.1. Corrections

>>

Not Applicable.

E.2.3.2. Inclusion of a monitoring plan

>>

Not Applicable.

E.2.3.3. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents

>>

Not Applicable.

E.2.3.4. Changes to the programme design

>>

Not Applicable.

E.2.3.5. Addition of CPA inclusion template

>>

Not Applicable.

E.2.3.6. Change of coordination/managing entity

>>

Not Applicable.

E.2.3.7. Changes specific to afforestation and reforestation activities

>>

Not Applicable.

E.3. Component project activities

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

Means of verification	DR, I		
Findings	CL02 had been raised in this regard and has been resolved.		
Conclusion	The implementation status of the	ne PoA and the component project activities is:	
	Co-ordinating and Managing	Atmosfair gGmbH	
	entity/Project Participants:	/Alternative Energy Promotion Centre (AEPC)	
	Title of the PoA:	Nepal Biogas Support Program-PoA	
	GS ID	GS3110	
	Applied Baseline and	AMS I. E., version 9	
	monitoring methodology:		
	Title of the CPA:	Nepal Biogas Support Program- CPA 1: 19,999 digesters	
	CPA-1 GS ID:	3109	
	CPA implementer	Alternative Energy Promotion Centre (AEPC)	
	Project Scale:	Small scale	
	Location of the CPAs:	Nepal	
	CPA crediting period:	31/01/2020 - 30/01/2027	
	Reported monitoring Period	01/01/2022 to 31/12/2022	
	verified in this verification:		
	Title of the CPA:	Nepal Biogas Support Program- CPA 2: 19,927 digesters	
	CPA-2 GS ID:	3113	
	CPA implementer	Alternative Energy Promotion Centre (AEPC)	
	Project Scale:	Small scale	
	Location of the CPAs:	Nepal	
	CPA crediting period:	08/05/2021 - 07/05/2028	
	Reported monitoring Period verified in this verification:	01/01/2022 to 31/12/2022	
	Title of the CPA:	Nepal Biogas Support Program- CPA 3: 19,959 digesters	
	CPA-3 GS ID :	3114	
	CPA implementer	Alternative Energy Promotion Centre (AEPC)	
	Project Scale:	Small scale	
	Location of the CPAs:	Nepal	
	CPA crediting period:	08/05/2021 – 07/05/2028	
	Reported monitoring Period	01/01/2022 to 31/12/2022	
	verified in this verification:		
	Title of the CPA:	Nepal Biogas Support Program- CPA 4: 19,970	
		digesters	
	CPA-4 GS ID :	3116	

	Alternative Energy Dremation Contro (AEDC)
Project Scale:	
Location of the CPAs:	
CPA crediting period:	08/05/2021 - 07/05/2028
Reported monitoring Period	01/01/2022 to 31/12/2022
verified in this verification:	
Title of the CPA	Nepal Biogas Support Program- CPA 5: 19,842
	digesters
CPA-5 GS ID :	3566
CPA implementer	Alternative Energy Promotion Centre (AEPC)
Project Scale:	Small scale
Location of the CPAs:	Nepal
CPA crediting period	25/08/2021 - 24/08/2028
Reported monitoring Period	08/05/2022 to 31/12/2022
verified in this verification:	00/03/2022 (0 3 1/ 12/2022
vermed in this vermeation.	
	Nanal Biarras Summart Bragman, CDA 6: 18 E04
The of the CPA	directore
CPA-6 GS ID:	GS ID: 6393
CPA implementer	Alternative Energy Promotion Centre (AEPC)
Project Scale:	Small scale
Location of the CPAs:	Nepal
CPA crediting period:	08/07/2022 – 07/07/2029
Reported monitoring Period	08/05/2022 to 31/12/2022
verified in this verification:	
	·
Title of the CPA	Nepal Biogas Support Program- CPA 7: 18.392
	digesters
CPA-7 GS ID	GS ID: 6394
CPA implementer	Alternative Energy Promotion Centre (AEPC)
Project Scale:	Small scale
Location of the CDAs:	Nepal
	00/07/0000 to 04/40/0000
Reported monitoring Period	08/07/2022 to 31/12/2022
verified in this verification:	
Litle of the CPA:	Nepal Biogas Support Program - CPA 10:
	10,589 digesters
CPA-10 GS ID:	10739
CPA implementer	Alternative Energy Promotion Centre (AEPC)
Project Scale:	Small scale
Location of the CPAs:	Nepal
CPA crediting period:	18/05/2020 – 17/05/2027
Reported monitoring Period	01/01/2022 to 31/12/2022
verified in this verification:	
Volmod III and Volmodaloli.	
Each CPA involves impleme	ntation of household biogas applications. These
annlications displace firewood	and fossil fuels with bioges from animal waste and
human everate. The biogen	is used as a fuel for cooking therefore the
displacement of non-renewable	e biomass (NRR) is counted as amission reduction
under the Clean Development	e piomass (INCD) is counted as emission reduction Mechanicm (CDM) and Cold Standard (CS). Tarret
aroup under the DeA ere here	
group under the POA are hous	senous with at least one nead of cattle (generally
cows or puπaios) who currently	v use non-renewable blomass (firewood) for cooking
purpose. The different sizes of	The digesters that are included in the programme
are of 2, 4, 6, 8 and 10 m ³ . Th	e programme uses only one design i.e. GGC 2047
model.	.
AFDC maintains the record of	finatellad biance dimentary. Fack biance installed
AEPC maintains the record o	i installed blogas digesters. Each blogas installed

the uniqueness of the identity is maintained for each digester. Since all the digesters implemented under all CPAs of the PoA are centrally maintained, possibility of the double counting of the digesters between and within CPAs is avoided. The details of each size of the biogas plant with the location (Terai, Hill and Remote Hill) is identified in the MR/01/. The registration procedure of the BSP database avoids double counting of digesters and the registration of digesters that have not been commissioned. The commissioning date is the basis for subsidy disbursement.
digesters in the host country, Nepal. The exact digester location could be verified from the monitored database /12/ and sample end user records of each CPA.
The component project activities were implemented, and equipment installed as described in the included CPA DDs /B04/. The actual project activity is in line with the included CPA-DDs /B04/. Alternative Energy Promotion Centre (AEPC) is the CPA implementer/programme activity implementer for the CPAs.
The information (including data and variables) provided in the MR /01/ is in line with the details provided in the approved CPA-DDs /B04/.
CCIPL's verification team considers the project description of the project contained in the approved revised PoA-DD and the approved CPA-DDs /B04/ to be complete and accurate. The approved CPA-DDs/B04/ comply with the relevant methodology, tools, forms and guidance at the time of CPA-DDs/B04/ submission for registration/inclusion.
In accordance with § 340 of CDM VVS for PoA, version 03 /B01-1 /, 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 CPA-DDs/B04/ which has caused an increase in the estimates of GHG emission reductions.
Verification team has assessed the project in order to check any proposed or actual changes to the project design in accordance with § 267 of CDM VVS for PoAs, version 03.0/B01/. In the opinion of CCIPL, there is no change to the project design. CCIPL's verification team confirms that the CPAs are implemented within the boundary of the PoA as described in the approved revised PoA-DD/B04/ and the implementation and operation of the project activity has been conducted in accordance with the description contained in the approved revised PoA-DD/B04/ and included approved revised CPA-DDs/B04/.
As part of the onsite visit, the verification team was able to confirm that the component project implementation is in accordance with the project description contained in the approved revised CPA-DDs /B04/. The verification team took cognizance of §338, § 339 and § 340 of the CDM VVS for PoA, version 03 /B01-1/.

E.3.2. Post-registration changes

E.3.2.1. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

>> Not Applicable.

E.3.2.2. Corrections

>> Not Applicable.

E.3.2.3. Changes to the start-date of the crediting period

>>

Version 04.0

Not Applicable.

E.3.2.4. Inclusion of a monitoring plan

>>

Not Applicable.

E.3.2.5. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents

>>

Not Applicable.

E.3.2.6. Changes to the project design

>>

Not Applicable.

E.3.2.7. Changes specific to afforestation and reforestation activities

>>

Not Applicable.

E.3.3. Compliance of the registered monitoring plan with applied methodologies and standardized baselines

Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	The verification team is able to confirm that the monitoring plan contained in the approved CPA-DDs /B04/ is in accordance with the approved methodology applied by the project activity, i.e. AMS-I.E., version 09 /B02/. The monitoring plan is in accordance with the approved methodology, AMS-I.E., version 09 /B02/, applied by the component project activities and as provided in the approved revised CPA-DDs /B04/. The verification took cognizance of § 341 to § 343 of CDM VVS for PoAs, version 03 0 / B01-1 /

E.3.4. Compliance of monitoring activities with the registered monitoring plan

E.3.4.1. Data and parameters fixed ex ante or at renewal of crediting period

Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	The verification team confirms that the Data and parameters fixed ex-ante are in compliance with the monitoring plan contained in the approved CPA-DDs /B04/.
	Detailed assessment of each parameter has been provided in Appendix-5 .
	The verification took cognizance of §344, §345 (c) and §357 of CDM VVS for PoAs, version 03.0 / B01-1 /.

E.3.4.2. Data and parameters monitored

Means of verification	DR, I
Findings	CL03 had been raised in this regard and has been resolved. FAR01 has been raised in this regard and shall be checked at the time of the next periodic verification.
Conclusion	The verification team confirms that the Data and parameters monitored are in compliance with the monitoring plan contained in the approved CPA-DDs/B04/. A complete assessment of each of the monitored parameters has been provided in Appendix-6 of the verification report.

The verification took cognizance of § 344, § 345 (c), § 355 and § 357 of CDM VVS
for PoAs, version 03.0 / B01-1 /.

E.3.4.3. Implementation of sampling plan

Means o	f DR, I								
Findings	No findings have	No findings have been raised							
Conclusion	The sampling p approved monit DDs /B04/. The procedure in line As the approve Sampling proce The sampling s training certifica	The sampling plan implemented by the CME is in accordance with the applied approved monitoring methodology /B02/ and the approved PoA-DD, approved CPA-DDs /B04/. The CME has appropriately performed Stratified Random Sampling procedure in line with the applied methodology and best suited for this type of project. As the approved revised PoA-DD /B04/ mentions the option for Stratified Random Sampling procedure, it is acceptable to the verification team. The sampling survey has been carried out by the well-trained people in the AEPC, training certificates of the personnel have been provided to the verification team / 09 /.							
	PP's sampling PP has propos precision. This is parameter is de Project activities The monitoring c) Biogas parame d) Averag parame	approach ed stratifie s in line wit etermined and Progr parameters performane ter) e annual o ters)	: ed rand h the ap followin ramme s monito ce - The consum	lom sam oplied me g guideli of Activiti ored throu e share o ption of	ipling pl ines for ies Ver. ugh the f operati	an usin gy /B02/ Samplir 4.0 (EB8 sampling ional bio biomass	g 90/10 . The sa ng and 36, Ann g plan a ogas pla s (BC _{PJ} ,	D as co ample si Survey ex 4) / B rre: nts (By нн,y - М	onfidence / ize for each is for CDM is 06 /. -Proportion lean Value
	The sample size	calculated	d for ea	ch CPA i	s provide	ed belov	v:	1	
			CPA-		CPA-	CPA-	CPA-	CPA-	
	Particulars	CPA-1	2	CPA-3	4	5	6	7	CPA-10
	Sample Calculated (Mean value	20	20	14	14	28	30	20	15
	Sample Calculated (Proportional	20	20	21		17	30	20	
	Parameters)	34	39	21	25	1/	34	34	54
	conservative sample No	3/	30	21	25	28	3/	3/	54
	Minimum sample for	54	35	21	25	20		54	
	Terai	18	20	9	11	14	19	18	22
	Minimum								
	sample for								
	Hill	15	18	11	13	13	14	15	31
	IVIINIMUM Sample for								
	Remote Hill	1	1	1	1	1	1	1	1
	Minimum sample stipulated in								
	PoA-DD	75	75	75	75	75	75	75	75

	Sample								
	Taken for								
	the Survey	100	100	100	100	100	100	100	100
	Sample in								
	Terai	52	50	45	45	50	56	52	42
	Sample in								
	Hill	44	46	51	51	46	40	44	54
	Sample in	4	4	4		4	4	4	4
	Remote Hill	4	4	4	4	4	4	4	4
T a d T T t t C A P W t d d I r h P s (\ C P s v d u s C (\ C P s v d u s C (\ C P s v t t T T T T T T T	The sample size incoordance with listribution was us thus, the sample he sampling requi- consider the project of the sampling letermining: c) Whether d) Whether d) Whether h line with §26 of as applied a sampling for mon- version 09.0) /BC CCIPL has considered ampling for mon- version 09.0) /BC CCIPL has considered ampling size to erification, the e- letermined the sampling size to erification, the e- letermined the sampling size to erification, the e- letermined the sampling size to end applied a sampling size to erification, the e- letermined the sampling size to end applied a sampling size to the detailed asse- appendix -7.	e for the the §14 used for t size used uirements tion sample standar activities of particip plan in t the requir the select of the Sam npling apple a sampling itoring pa D6 /. dered §30 and progo be visit stimated of sample size of essional project a eptable (producer per Table for the sale of user a lin the pro- solution solution of user a lin the pro- solution solution of user a lin the pro- solution solution of user a lin the pro- solution of user a lin the pro- soluti	mean of the he sam l by the pling a rd: Sam (versior ant hav he regi ed conf red conf red conf red sam opting S option of f g appro rameter 0 and §3 g appro rameter 1 judgm optivities Quality risk of f 3 sampl mass. nd addr opect to r Surve of samp	value pa sampling ple size. CME for pproach ppling an o 09.0) / e implem stered m idence/p ple was standard for onsite ach, the rs in acco 31 of "Sta s of acti VVB / B (n reducti acceptan ent and s and pro Level (<i>A</i> 5% and co e referred tabase. The biog ress) wer stabase. the ope y Reports ling for v	arameter standa The sa CPA-1 of conserve B06 /, the ented the nonitorin recision recision recision recision recision verificato ordance andard for vities, V 06 /. In of on is 38 ce samp guidance ogramme AQL): 0. consume d Standa CCIPL V erify the 800 sam as detai re also cl No incor ration st s/03/.	was leader, vers mple sizes of 100 is ys for C e verific e sampl g plan. has been tative o 09.0) /E rveys as ion team with §28 or Samp (ersion (case of 1,686 tC oling by e in the e of acti 5% Una er risk of ard /B06 verified a project a ples to ls (unique necked a sistency tatus an on of pro	ess tha sion 09/ ze thus deeme CDM pro- cation t ing and The ve an met; f the po 306/ , the part of n has c 306/ , the spart of n has c 306/ , a spart of spart of spa	n 30 a B06/ , S determ d suffici oject ac eam ha surveys erification pulation e verification is samplin d survey or deter is amplin d survey for deter is amplin ble Qu sample ptance of 08 sa for the ne aver and to be bservey in type f	nd thus in Student's t- ined is 13. ent to meet ativities and as to verify s according on includes n. cation team ation. Since acceptance og standard ys for CDM mining the alidation & cation team e following, mpling and 09.0 / B06 /: iality Level e size of 08 number (c) mples from operational age annual per, date of parameters provided in

E.3.5.	Compliance with	the calibration frequency	requirements	for measuring instruments
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Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	The CPAs of the PoA do not involve any monitoring instruments that require calibration; hence no further assessment is done.

E.3.6. Assessment of data and calculation of emission reductions or net removals

Means of verification	DR, I					
Findings	There are no findings on this section of the VR.					
Conclusion	In line with the requirement of § 356 and § 357 of CDM VVS for PoAs, version 03.0/ B01-1 /, the verification team has reviewed the monitoring report and ER spread sheet to check the arithmetic calculation of the emission reductions. In accordance with the §20 of the AMS-I.E. version 09/B02/, the emission reductions for the CPAs of the PoA are calculated as:					
	$BE_{y} = B_{y} \times f_{NRB,y} \times NCV_{biomass} \times EF_{projected_fossilfuel}$					
	Where:BEyBaseline Emissions during the year y (tCO2e)					
	Py 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 tCO ₂ /TJ					
	The parameter By is calculated as per the equation below: $P_y = N_{HH} \times P_y \times (BC_{BL,HH,y} - BC_{PJ,HH,y})$					
	Where:					
	<i>N_{HH}</i> Number of digesters installed in the Project					
	P_y Percentage of digesters implemented that is operational in					
	<i>BC</i> _{<i>BL,HH,y</i>} Average annual consumption of woody biomass per					
	household before the start of the project activity					
household in the pre-project devices during the project activity						
	The verification team confirms that the calculation of baseline emission (421,520 tCO_2e) and emission reductions (381,686 tCO_2e) is in accordance with the applied methodological equation and the approved CPA-DDs/ B06 /. Calculations have been checked and confirmed from the ER spread sheet /04/.					
	The verification took cognizance of § 356 of CDM VVS for PoAs, version 03.0 / B01- 1/.					

E.3.6.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

E.3.6.2. Calculation of project GHG emissions or actual net GHG removals by sinks

Means of verification	DR, I
Findings	There are no findings on this section of the VR.
Conclusion	There are no project emissions identified in the monitoring methodology /B02/ and the approved revised CPA-DDs / B06 /.

E.3.6.3. Calculation of leakage GHG emissions

Means of verification	DR, I
Findings	
Conclusion	A leakage factor of 5% has been considered as per the methodology AMS I.E. version 9/B02/.

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 approved CPA-DDs / B06 /.

E.3.6.4. Summary of calculation of GHG emission reductions or net GHG removals by sinks

Means of verification	DR, I
Findings	
Conclusion	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 approved CPA-DDs /B04/. The total number of ERs achieved during the monitoring period is 381,686 tCO ₂ e.
	In summary, verification team confirms that actual emission reduction is lower than the estimate of the approved CPA-DDs/B04/ for the current monitoring period.
	The verification took cognizance of § 356 of CDM VVS PoAs, version 03.0 /B01- 1/.

Title and GS	Baseline emissions or baseline	Project emissions or actual net		Net Benefit
ID of the CPA	net GHG removals by sinks (tCO ₂ e)	GHG removals by sinks (tCO ₂ e)	Leakage (tCO₂e)	Amount achieved in the entire monitoring period
Nepal Biogas Support Program- CPA 1: 19,000 digesters (3109)	61,017	0	3,050	57,967
Nepal Biogas Support Program - CPA 2: 19,927 digesters (3113)	57,718	0	2,885	54,833
Nepal Biogas Support Program - CPA 3: 19,959 digesters (3114)	62,133	0	3,106	59,027
Nepal Biogas Support Program - CPA 4: 19,970 digesters (3116)	68,646	0	3,432	65,214
Nepal Biogas Support Program - CPA 5: 19,842 digesters (3566)	63,259	0	3,162	60,097
Nepal Biogas Support Program - CPA 6: 18,504 digesters (6393)	27,695	0	1,384	26,311
Nepal Biogas Support Program - CPA 7: 18,392 digesters (6394)	28,781	0	1,439	27,342

Nepal Biogas Support Program - CPA 10: 10,589 digesters (10739)	32,521	0	1,626	30,895
Total	401,770	0	20,084	381,686

SDG	В	Project estimate	L	Net Benefit
	a		e	
	s		a v	
	е I		~	
	 		a	
	n n		9	
	e		C	
SDG 03	0	CPA-1: 0.55	0	CPA-1: 0.55
391	•	CPA-2: 0.54	Ŭ	CPA-2: 0.54
Mortality		CPA-3: 0.51		CPA-3: 0.51
rate		CPA-4: 0.49		CPA-4: 0.49
attribute		CPA-5: 0.55		CPA-5: 0.55
d to		CPA-6: 0.48		CPA-6: 0.48
househo		CPA-7: 0.51		CPA-7: 0.51
ld and		CPA-10: 0.51		CPA-10: 0.51
ambient				
air				
pollution				
(Averag				
e annual				
consum				
ption of				
woody				
biomass				
per				
Id in the				
rt				
devices				
durina				
the				
project				
activity)				
(t/HH/ye				
ar)				
3.9.1	0	CPA-1: 71,315.59	0	CPA-1: 71,315.59
Mortality				
rate		CPA-2: 67,459.87		CPA-2: 67,459.87
attribute				
d to		CPA-3: 72,620.74		CPA-3: 72,620.74
househo				
Id and		CPA-4: 80,232.47		CPA-4: 80,232.47
ambient				
air		UPA-5: 13,936.21		UPA-5: 13,936.21
pollution		CDA 6: 22 260 07		
		UFA-U. 32,309.91		UFA-0. 32,309.91
y UI woody		CPA_7: 33 639 07		CP4-7: 33 639 07
hiomase				
that is		CPA-10: 38,009.98		CPA-10: 38,009.98

substitut ed or displace				
d) (Ton)	0	0.0156	0	0.0156
Mortality	0	0.0150	0	0.0150
rate				
attribute				
d to				
househo				
ambient				
air				
pollution				
(Net				
calorific				
the non-				
renewab				
le				
biomass				
that is				
ed)				
(TJ/tonn				
e)				
3.9.1	0	CPA-1: 96.25%	0	CPA-1: 96.25%
rate		CPA-2: 100% CPA-3: 98 77%		CPA-2: 100% CPA-3: 08 77%
attribute		CPA-4: 98.85%		CPA-4: 98.85%
d to		CPA-5: 97.59%		CPA-5: 97.59%
househo		CPA-6: 100%		CPA-6: 100%
ld and		CPA-7: 95.24%		CPA-7: 95.24%
amplent		CPA-10: 97.50%		CPA-10: 97.50%
pollution				
(Users'				
percepti				
on on				
reductio				
indoor				
air				
pollution				
)- %	0	CPAs % HH perceived reduction in	0	CPAs % HH perceived reduction in
3.9.1 Mortality	0	Eye Respiratory C Fire infection diseases o related u injury		Eye Respiratory Cough Fire infection diseases relat
rate		9 h CPA-1 96.25 92.50 9 91.25		ed injury
attribute		2. 5 0		CPA-1 96.25 92.50 92.50 91.2 5
d to		CPA-2 98.68 96.68 9 93.42 7. 3		CPA-2 98.68 98.68 97.37 93.4 2
househo		7 7 CPA-3 91.36 83.95 7 74.07 2. 2. 2. 2. 2.		CPA-3 91.36 83.95 72.84 74.0 7
ambient		8 4 CPA-4 93.10 90.80 8 80.46		CPA-4 93.10 90.80 86.21 80.4
air		6. 2 1		CPA-5 97.59 93.98 93.98 90.3
pollution		CPA-5 97.59 93.98 9 90.36 3. 9		CPA-6 88.61 89.87 89.87 88.6
(Users'		CPA-6 88.61 89.87 8 88.61		CPA-7 96.43 96.43 96.43 96.4
percepti on on		CPA-7 96.43 96.43 0 66.43		CPA- 92.50 87.50 86.25 86.2
reductio				
n in		CPA- 92.50 87.50 8 86.25 10 6 6 6 6		
health				
problem			1	
j- 70				

3.9.1 Mortality	0	% response for	Men	Women	Children		0	% response for	Men	Women	Children	
attribute						-						_
d to		CPA-1	12.50	96.25	5.00	-		CPA-1	12.50	96.25	5.00	_
househo		CPA-2	27.03	01.26	1.32	-		CPA-2	27.03	85.53 01.26	1.32	_
ld and ambient			29.63	91.36	2.47	-		CPA-3	29.03	91.30	2.47	_
air			31.03	94.25	1.15	-		CPA-4	31.03	94.25	1.15	_
pollution			27.71	100	0.02	-		CPA-5	27.71	100	0.02	_
(User'sp			34.10 40.49	90.75	2.57	-			34.10	90.75	2.57	
n in		CPA-10	40.48	98.75	3.57	-		CPA-10	31 25	98.75	3.57	_
Time			51.25	56.75	5.75				51.25	50.75	5.75	
saving												
for the												
(reduce												
exposur												
e to												
indoor												
air												
))-%												
3.9.2	0	CPA-1: 5	1.25%				0	CPA-1: 5	1.25%			
Mortality		CPA-2: 7	1.05%					CPA-2: 7	1.05%			
rate		CPA-3: 54	4.32%					CPA-3: 5	4.32%			
d to		CPA-4: 7	1.26%					CPA-4: 7	1.26%			
unsafe		CPA-5: 7	8.31%					CPA-5: 7	8.31%			
water,		CPA-6: 7	4.68%					CPA-6: 7	4.68%			
unsate		CPA-7: 4	7.62%					CPA-7: 4	7.62%			
n and		CPA-10:	92.50%					CPA-10:	92.50%			
lack of												
hygiene												
(exposu												
unsafe												
Water,												
Sanitati												
on and												
for All												
(WASH)												
services												
) (Users'												
on on												
connecti												
on of												
toilet to												
biogas)- %												
3.9.3	0	CPA-1:					0	CPA-1:				
Mortality		Farmyard	manure:	27.32%				Farmyard	manure:	27.32%		
rate		Bioslurry:	100%,					Bioslurry:	100%,			
d to		DAD: 36.1	1%, 4%					Urea: 36.1	11%, 24%			
unintenti		Potash: 0.	00%					Potash: 0.	00%			
onal												
poisonin		CPA-2:						CPA-2:				
g (Users		Farmyard	manure:	<u>22.49%</u>				Farmyard	manure:	<u>22.49%</u>		

percepti on in		Bioslurry: 100%, Urea: 44.44%.		Bioslurry: 100%, Urea: 44.44%.
reductio		DAP: 52.94%		DAP: 52.94%
n of		Potash: 0.00%		Potash: 0.00%
l fertilizer s)-%		CPA-3: Farmyard manure: 27.37% Bioslurry: 100% Urea: 34.38% DAP: 50.00% Potash: 42.11%		CPA-3: Farmyard manure: 27.37% Bioslurry: 100% Urea: 34.38% DAP: 50.00% Potash: 42.11%
		CPA-4: Farmyard manure: 21.64% Bioslurry: 100% Urea: 39.39% DAP: 47.37% Potash: 40.00%		CPA-4: Farmyard manure: 21.64% Bioslurry: 100% Urea: 39.39% DAP: 47.37% Potash: 40.00%
		CPA-5 Farmyard manure: 21.62% Bioslurry: 100% Urea: 46.15% DAP: 44.00% Potash: 20.00%		CPA-5 Farmyard manure: 21.62% Bioslurry: 100% Urea: 46.15% DAP: 44.00% Potash: 20.00%
		CPA-6 Farmyard manure: 19.35% Bioslurry: 100% Urea: 38.46% DAP: 46.15% Potash: 0.00%		CPA-6 Farmyard manure: 19.35% Bioslurry: 100% Urea: 38.46% DAP: 46.15% Potash: 0.00%
		CPA-7 Farmyard manure: 29.07% Bioslurry: 100% Urea: 42.00% DAP: 30.43% Potash: 50.00%		CPA-7 Farmyard manure: 29.07% Bioslurry: 100% Urea: 42.00% DAP: 30.43% Potash: 50.00%
		CPA-10: Farmyard manure: 18.91% Bioslurry: 100% Urea: 47.62% DAP: 54.55% Potash: 50.00%		CPA-10: Farmyard manure: 18.91% Bioslurry: 100% Urea: 47.62% DAP: 54.55% Potash: 50.00%
7.1.2 Proporti on of populati on with primary reliance on clean fuels and technolo gy (Users' percepti on on	0	CPAs % HH perceived reduction in firewood collection time for Men Women Children CPA-1 13.75 98.75 5.00 CPA-2 17.11 96.05 1.32 CPA-3 37.04 36.30 0.00 CPA-4 31.03 98.85 9.20 CPA-5 36.14 98.80 3.61 CPA-6 35.44 98.73 1.27 CPA-7 35.71 96.43 5.95 CPA-4 41.25 100 0.00 10 10 10 10	0	CPAs % HH perceived reduction in firewood collection time for Men Women Children CPA-1 13.75 98.75 5.00 CPA-2 17.11 96.05 1.32 CPA-3 37.04 36.30 0.00 CPA-4 31.03 98.85 9.20 CPA-5 36.14 98.80 3.61 CPA-6 35.44 98.73 1.27 CPA-7 35.71 96.43 5.95 CPA-4 1.25 100 0.00

-					
l	time				
l	saving				
l	due to				
l	project				
l	for				
l	firewood				
l	collectio				
l	n)				
ſ	7.1.2	0	35	0	35
l	Proporti				
l	on of				
l	populati				
l	on with				
l	primary				
l	reliance				
l	on clean				
l	fuels				
l	and				
l	technolo				
l	gу				
	(Trainin				
	gs to				
l	Masons				

E.3.6.5. Comparison of actual GHG emission reductions or net GHG removals by sinks with estimates in included CPA

Means	of	DR, I								
verification										
Findings		There are no findings on this section of the VR.								
Conclusion										
			CPA	Estimated	Actual (tCO _{2e})					
			1	61,017	57,967 tCO _{2e}					
				tCO _{2e}						
			2	57,718	54,833 tCO _{2e}					
				tCO _{2e}						
			3	62,133	59,027 tCO _{2e}					
				tCO _{2e}						
		SDG 13	4	68,646	65,214 tCO _{2e}					
		(GHG		tCO _{2e}						
		emissions)	5	63,259	60,097 tCO _{2e}					
				tCO _{2e}						
			6	27,695	26,311 tCO _{2e}					
				tCO _{2e}						
			7	28,781	27,342 tCO _{2e}					
				tCO _{2e}						
			10	32,521	30,895 tCO _{2e}					
				tCO _{2e}						
		3.9.1	1		0.55					
		Mortality	2		0.54					
		rate	3		0.51					
		attributed to	4		0.49					
		household	5		0.55					
		and ambient	6	0.54	0.48					
		air pollution	7		0.51					
		(Average	10		0.51					
		annuai								
		consumption								
		of woody								

1							
biomass per							
household							
in the pre-							
project							
doviceo							
during the							
project							
activity)							
(t/HH/year)							
3.9.1	1	80,096	71315.	59			
Mortality	2	79 807 64	67459	87			
rate	3	70 035 80	72620	7/			
attributed to	3	79,900.00	00000	17			
bougghold	4	79,979.00	00232.4	47			
nousenoiu	5	79,467.21	73936.	27			
and amplent	6	74,108.52	32369.9	97			
air pollution	7	73,659.96	33639.	07			
(Quantity of	10	47,650.50	38009.	98			
woody		,					
biomass that							
is							
substituted							
or displaced)							
(Ton)							
201		0.0156	0.0156				
3.9.1		0.0156	0.0150				
Mortality							
rate							
attributed to							
household							
and ambient							
air pollution							
(Net calorific							
value of the							
non-							
ronowable							
hismoss that							
biomass that							
IS							
substituted)							
(TJ/tonne)							
3.9.1		100	100				
Mortality							
rate							
attributed to							
household							
air pollution							
(Users'							
perception							
on reduction							
in indoor air							
pollution)- %							
3.9.1		100	CPAs	% F	IH nerceived re	duction	in
Mortality			5. 75	Evo	Pospiratory	Couch	Eiro
rate				суе	Respiratory	Cougn	Fire
attributed to				intection	aiseases		related
							injury
			CPA-	96.25	92.50	92.50	91.25
and amplent			1				
air pollution			CPA-	98,68	98.68	97.37	93.42
(Users			2				
perception			2 CD 4	01.20	92.05	72.04	74.07
on reduction			CPA-	91.30	83.95	72.84	/4.0/
in health			3				
problem) %							

			CPA-	93.10	90.80	86.21	80.46
			CPA-	97.59	93.98	93.98	90.36
			CPA- 6	88.61	89.87	89.87	88.61
			CPA- 7	96.43	96.43	96.43	96.43
			CPA- 10	92.50	87.50	86.25	86.25
The actual ERs a deemed to be app	re less than th ropriate by the	ne e VV	estimate ′B.	ed, and be	ing a conserv	ative va	lue, this is
The verification teation teation teation teation teating /B01-1/ .	am took cogni	zan	ce of §	356 of C	DM VVS for	PoAs, ve	ersion 03.0

E.3.6.6. Remarks on difference from estimated value in included CPA

Findings There are no findings on this section of	
ringings intere are no indings on this section of	the VR.
ConclusionVerification team confirms that actual estimated values for the reported m monitoring period are 381,686 tCO2e ar were 421,520 tCO2e. The total ERs to estimated ex-ante. The emission reductions for CPA1 and and thus the seasonal variation is take CPA1, CPA2, CPA3, CPA5, CPA6, estimates. However, for CPA5, CPA6, estimates. However, for CPA5, CPA6, a year and thus seasonal variation is n are slightly higher than the ex-ante esti The total emission reductions for all Q values. The verification took cognizance of § 2 for the PoAs version 03/B01-2/ and § 34	al emission reduction is lower than the nonitoring period. The total ERs for the nd the ex-ante ERs for the monitoring period for the monitoring period is less than the CPA10 are available for the complete year en into consideration. The actual values for CPA7 CPA10 are less than the ex-ante and CPA7 the monitoring period is less than not considered. The actual values for CPA4 imates. CPAs is lower than the ex-ante estimated 70 and § 271 of the CDM Project Standard 40 of the VVS for the PoAs version 03/ B01-

E.3.7. Assessment of reported sustainable development co-benefits

Means of verification	DR, I											
Findings	There are no findings on this section of the VR.											
Conclusion												
	SDGs	Value reported in this monitoring period	VVB's assessment									
	3.9.1 Mortality rate attributed to household and ambient air pollution (Users' perception on reduction in indoor air pollution)-%	CPA-1: 96.25% CPA-2: 100% CPA-3: 98.77% CPA-4: 98.85% CPA-5: 97.59% CPA-6: 100% CPA-7: 95.24% CPA-10: 97.50%	As per user survey the sample end users reported positive feedback related to health and illness compared to baseline scenario. The monitoring procedure is as per registered monitoring plan									

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))	Eye infecti Respirator Cough: 86 Fire relate for CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10	on: 92.50 y diseas .25% d Injury: 12.50 27.63 29.63 31.03 27.71 34.18 40.48 31.25	0% e: 87.50% 86.25% 86.25% 96.25 85.53 91.36 94.25 100 98.73 98.81 98.75	Children 5.00 1.32 2.47 1.15 6.02 0.00 3.57 3.75	As per user survey the sample end users reported positive feedback related to health and illness compared to baseline scenario. The monitoring procedure is as per registered monitoring plan and verification team also interviewed end users who confirmed positive feedback
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)	CPA-1: 51.25% CPA-2: 71.05% CPA-3: 54.32% CPA-4: 71.26% CPA-5: 78.31% CPA-6: 74.68% CPA-7: 47.62% CPA-10: 92.50%			positive feedback related to health and illness. As per user survey the sample end users reported positive feedback related to health and illness compared to baseline scenario. The monitoring procedure is as per registered monitoring plan and verification team also interviewed end users who confirmed positive feedback	
SDG 3.9.3 Mortality rate attributed to unintentional poisoning (Users perception in	CPA-1: Farmyard Bioslurry: Urea: 36.1 DAP: 36.8 Potash: 0.1	manure: 100%, 1%, 4% 00%	27.32%		As per user survey the sample end users reported positive feedback related to use of chemical fertiliser and

reduction of chemical fertilizers):	CPA-2: Farmya Bioslurr Urea: 4. DAP: 52 Potash: CPA-3: Farmya Bioslurr Urea: 3. DAP: 50 Potash: CPA-4: Farmya Bioslurr Urea: 42 Potash: CPA-5 Farmya Bioslurr Urea: 42 Potash: CPA-6 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 DAP: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr Urea: 42 Potash: CPA-7 Farmya Bioslurr	rd manu y: 100% 4.44%, 2.94% 0.00% rd manu y: 100% 4.38% 0.00% 42.11% rd manu y: 100% 9.39% 7.37% 40.00% rd manu y: 100% 6.15% 40.00% rd manu y: 100% 6.15% 0.00% rd manu y: 100% 5.15% 0.00% rd manu y: 100% 5.15% 0.00% 0.	re: 22.49% , re: 27.37% re: 21.64% re: 21.62% re: 19.35% re: 19.35%		using more bio- slurry compared to baseline scenario. The monitoring procedure is as per registered monitoring plan and verification team also interviewed end users who confirmed positive feedback related to fertiliser use.
SDG 7.1.2 Proportion of population with primary reliance		% HH in firev	As per user survey the sample end users reported positive feedback		
on clean fuels and technology	CPA-	13.75	98.75	5.00	related to time saved compared
(Users' perception on	1 CPA-	17.11	96.05	1.32	to baseline
time saving due to project for	2				scenario. The monitoring
firewood collection)	CPA- 3	37.04	36.30	0.00	procedure is as per
	L		1		registered

	-	_		T	· · · ·
	CPA- 4	31.03	98.85	9.20	monitoring plan and verification
	CPA-	36.14	98.80	3.61	team also
	CPA-	35.44	98.73	1.27	users who
	6	25 71	06.42	F 0F	confirmed positive
	7	35.71	96.43	5.95	to time saved in
	CPA- 10	41.25	100	0.00	collecting firewood.
SDG 2) 7.1.2 Proportion of population with primary reliance on clean fuels and technology (Trainings to Masons)	35				As per the training records /09/, training have been provided for the construction and installation of biogas plants. The monitoring procedure is as per registered monitoring plan and verification team also interviewed end masons. (See section D.3 of this report)
 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/01/ and also during onsite visit interviews by the verification team. The CME have a Grievance Redressal Mechanism (GRM). The Grievance Redressal committee collects grivenaces through telephone calls or firect complaints at project office. 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/.					

E.3.8. Global stakeholder consultation

Means of verification N/A (this is not first MP)

Findings	There are no findings on this section of the VR.
Conclusion	The verification took cognizance of § 368 of CDM VVS for the PoAs, version 03
	/B01-1/.

SECTION F. Internal quality control

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The final verification report has passed a technical review before being submitted to the Gold Standard. 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

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Carbon Check (India) Private Ltd. has performed verification for the second (2nd) periodic verification of the second PoA period of the registered GS Programme of Activities "Nepal Biogas Support Program-PoA" and GSID 3110 for the CPAs titled "Nepal Biogas Support Program - CPA 1: 19,999 digesters" (GS ID: 3109), "Nepal Biogas Support Program - CPA 2: 19,927 digesters" (GS ID: 3113). "Nepal Biogas Support Program - CPA 3: 19,959 digesters" (GS ID: 3114), "Nepal Biogas Support Program - CPA 4: 19,970 digesters" (GS ID: 3116), "Nepal Biogas Support Program - CPA 5: 19,842 digesters" (GS ID: 3566), "Nepal Biogas Support Program - CPA 6:18,504 digestors(GS ID: 6393), "Nepal Biogas Support Program - CPA 7: 18,392 digestors' (GS ID: 6394) and "Nepal Biogas Support Program - CPA 10: 10,589 digesters" (GS ID: 10739) have been reported in the monitoring report. The verification team assigned by the VVB concludes that the Component Project Activities as described in the approved CPA-DDs: CPA-DD for 3109: (version 16 dated 03/11/2019); CPA-DD for 3113: (version 6 dated 03/05/2021); CPA-DD for 3114: (version 6 dated 03/05/2021); CPA-DD for 3116: (version 6 dated 04/05/2021); CPA-DD for 3566: (version 6 dated 04/05/2021); CPA-DD for 10739: (version 2 dated 16/05/2020); and the Monitoring report (version 03, dated 09/12/2022), meet all relevant requirements of the GS4GG 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. The verification has been conducted in-line with the CDM VVS for programme of activities requirements, version 03.0 /B01-1/.

Verification methodology and process:

The Verification team confirms the contractual relationship/13/ signed on 02/08/2023 between the VVB, Carbon Check (India) Private Ltd. and Project Participant atmosfair gGmbH. The team assigned to the verification meets the Carbon Check (India) Private Ltd.'s internal procedures including the UNFCCC requirements for the team composition and competence. The verification team has conducted a thorough contract review as per UNFCCC and Carbon Check procedures and requirements.

The verification has been performed as per the requirements described in the CDM VVS for programme of activities, version 03.0 and constitutes the review and completion of the following steps:

- Reviewing the approved PoA-DD (version 03, dated 31/01/2020), approved CPA DDs [CPA-DD for 3109: (version 16 dated 03/11/2019); CPA-DD for 3113: (version 6 dated 03/05/2021); CPA-DD for 3114: (version 6 dated 03/05/2021); CPA-DD for 3116: (version 6 dated 04/05/2021); CPA-DD for 3566: (version 6 dated 04/05/2021); GS ID: 6393: (version 6 dated 23/06/2022); GS ID: 6394: (version 6 dated 23/06/2022); CPA-DD for 10739: (version 2 dated 16/05/2020)], including the monitoring plan and the corresponding validation reports;
- Desk review of the validation report, MR and other relevant documents including documents related to the component project activities in emission reductions;
- Review of the applied monitoring methodology (AMS-I.E., version 09);
- Review of any CMP and EB decisions, clarifications and guidance;
- Onsite assessment and follow up interviews (12/09/2023 15/09/2023);

- Resolution of CARs and CLs raised during verification.
- Issuance of Verification Report

The component project activities were correctly implemented according to the selected monitoring methodology, monitoring plan and the approved CPA-DDs/B04/. The monitoring system was installed, 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 audit interviews, the verification team confirms that the PoA has resulted in the 381,686 tCO₂e emission reductions during the second (2nd) monitoring period.

During the reported monitoring period CPA 1, CPA 2, CPA 3, CPA 4, CPA 5, CPA 6, CPA7 and CPA10 were eligible for the claim of emission reductions. Emission reductions have been reported for all the eligible CPAs in the Monitoring report. The emission reductions have been claimed only for CPA 1, CPA 2, CPA 3, CPA 4, CPA 5, CPA 6, CPA7 and CPA10 (**GS ID**: **3109**, **3113**, **3114**, **3116**, **3566**, GS ID: 6393, GS ID: 6394 and **10739**):

Verified emission reductions (CPA 1): 57,967 tCO₂e Verified emission reductions (CPA 2): 54,833 tCO₂e Verified emission reductions (CPA 3): 59,027 tCO₂e Verified emission reductions (CPA 4): 65,214 tCO₂e Verified emission reductions (CPA 5): 60,097 tCO₂e Verified emission reductions (CPA 6): 26,311 tCO₂e Verified emission reductions (CPA 7): 27,342 tCO₂e Verified emission reductions (CPA 10):30,895 tCO₂e

The break-up of emission reduction up to 31st December 2012 and 1st January 2013 to 31st December 2020 and 1st January 2021 onwards as verified during the course of verification are as below:

Item	Emission reductions	Emission reductions	Emission reductions
	up to	from 1 January 2013	from 1 January 2021
	31 December 2012	to 31 December 2020	onwards
Emission reductions (tCO ₂ e)	0	0	381,686

CCIPL as a VVB is therefore pleased to issue a positive verification opinion expressed in the Certification statement provided in section H of this report.

SECTION H. Certification statement

Carbon Check (India) Private Ltd, the VVB, has performed the verification of the registered Programme of Activities "GSID 3110", "Nepal Biogas Support Program-PoA" in Nepal. The aim of the PoA is implementation of household biogas applications in Nepal. The component project activities of the Programme of Activity are designed to generate emission reductions by implementation of household biogas applications in Nepal. The baseline of the PoA considers only non-renewable biomass replaced through household biogas applications. Only households previously using non-renewable biomass are eligible to the PoA.

The CME and the CPA implementer are responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the component project activities. It is VVB's responsibility to express an independent verification statement on the reported GHG emission reductions from the component projects. The VVB VVBs not express any opinion on the selected baseline scenario or on the validated and approved PoA-DD, approved CPA-DDs/B04/. The verification is carried out in-line with the VVS requirements, version 03 /**B01-1**/.
The verification was performed to identify the compliance of the component projects with the implementation and monitoring requirements, and to verify the actual amount of achieved emission reductions, through obtaining evidence and information during onsite visit assessment 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:

- Approved PoA-DD version 03 dated 31/01/2020/B04/;
- Approved CPA-DD/s included in the registered PoA and its monitoring plan/B04/.
- Approved monitoring methodology AMS-I.E., "Switch from Non-Renewable Biomass for Thermal Applications by the User", version 09;
- Validation report /B06/ for the PoA and CPA/s;
- Verification reports for the previous verification (MP1)/B08/;
- Monitoring report(s) for the previous verification (MP01)/B08/.

This statement covers verification period from 01/01/2022 to 31/12/2022 (including both the days).

The VVB had raised 00 clarifications requests and 03 corrective action requests, all of which have been resolved by the CME.

The VVB considers necessary to give reasonable assurance that reported GHG emission reductions were calculated correctly on the basis of the approved baseline and the monitoring methodology and the monitoring plan contained in the approved CPA-DDs are fairly stated.

The VVB, hereby certifies that the project activity, achieved emission reductions by sources of GHG equal to 381,686 tCO₂e and all monitoring requirements have been fulfilled and is substantiated by an audit trail that contains evidence and records. The break-up of emission reduction up-to 31/12/2012, 01/01/2013 to 31/12/2020 and 01/01/2022 onwards as verified during the course of verification are as below:

Item	Emission reductions	Emission reductions	Emission reductions
	up to	from 1 January 2013 to	from 1 January 2021
	31 December 2012	31 December 2020	onwards
Emission reductions (t CO ₂ e)	0	0	381,686

Appendix 1. Abbreviations

Abbreviations	Full texts
AEPC	Alternative Energy Promotion Centre
AQL	Acceptable Quality Limit
BSP-Nepal	Biogas Sector Partnership Nepal
BUS	Biogas User Survey
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CAR	Corrective Action Request
CCIPL	Carbon Check (India) Private Ltd.
CER	Certified Emission Reduction
CL	Clarification Request
CME	Co-ordinating and Managing entity
СРА	Component Project Activity
CPA-DD	Component Project Activity Design Document
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
CREF	Central Renewable Energy Fund
VVB	Designated Operational Entities
DP	Development Partners
DR	Document review
EB	CDM Executive Board
EF	Emission Factor
El	External individual
ER	Emission reduction
FA	Final Approval
FAR	Forward Action Request
FVR	Final verification Report
GHG	Greenhouse gas(es)
GoN	Government of Nepal
GWh	Giga Watt Hour
1	Interview
IPCC	Intergovernmental Panel on Climate Change
IR	Internal resource
MWh	Mega Watt Hour
MP	Monitoring Period
MR	Monitoring Report
PoA	Programme of Activities
PoA-DD	Programme of Activities Design Document
PP	Project Participant
OSV	On Site Visit
QC/QA	Quality control /Quality assurance
RH	Remote Hill
RMP	Revised Monitoring Plan
ТА	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
UQL	Unacceptable Quality Limit
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

			CHEC	к—		
c	arbon Cl	neck ((India)) Priva	te L	imited
	Certij	ficate	of Com	petency	,	
	Ms.	Aparn	a Chou	dhary		
has been qualified as per ISO/I	CCIPL's internal qua EC14065:2020, ISC	lification pro D/IEC 17029	ocedures in a 2019 and of	ccordance with the ther applicable (the requ GHG pro	irements of CDM AS (V7.0 grams:
	for the	following fu	nctions and re	quirements:		
🛛 Validator	🛛 Verifier		🛛 Team I	.eader	🛛 Tecl	nnical Expert
Technical Review	er 🗌 Health Ex	pert	🗆 Gende	r Expert	🗆 Plas	tic Waste Expert
CCB Expert	🗆 Legal Exp	ert	🗆 Financ	ial Expert	🗆 Envi	ronmental, Health and
⊠ SDG+ ⊠ Social no-harm(-harm(S+)	Safety financial matters n(S+) I Environment no-barm(E+)		financial matters	
Local Expert for I	ndia					
		in the follow	ing Technical A	Areas:		
🖂 TA 1.1	🛛 TA 1.2] TA 2 .1	🛛 TA 3.1		🗆 TA 4.1
🗖 TA 4. i	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			
lss	ue Date				Expiry l	Date
5 th December 2023				31 st	Decem	ber 2024
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Ms. Priya Suman Compliance Officer				Mr.	. <mark>Sanjay</mark> Techni	Kumar Agarwalla ical Director
	R	evision Histo	ory of the docu	iment:		
Revisio	n date		Su	mmary of chang	ges	
202 Jan 2	023			Annual revision		
Jan 2023 Annual revision Dec 2023 Change in the template due to revision in TA and function			ate due to revisio	on in TA a	and function	

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Ca	rbon Chec	k (India)) Privat	e Limited
	Certifica	te of Com	petency	
	Ms.	Jaya Rajp	ut	
nas been qualified as per CCI ISO/IEC1	PL's internal qualificati 4065:2020, ISO/IEC 1	on procedures in ac 17029:2019 and ot	cordance with the her applicable GH	e requirements of CDM AS (V7.0) IG programs:
	for the follow	ving functions and re	quirements:	
⊠ Validator	⊠ Verifier	🛛 Team L	eader 🗵	Technical Expert
Technical Reviewer	Health Expert	🗌 Gende	Expert	Plastic Waste Expert
CCB Expert	🗆 Legal Expert	🗆 Financi	al Expert	Environmental, Health and
□ SDG+	n(S+) Environment no-harm(E+)			
oxtimes Local Expert for India	l i i i i i i i i i i i i i i i i i i i			
	in the j	following Technical A	reas:	
🗆 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		E	xpiry Date
5 th Decem	oer 2023		31 st D	ecember 2024
Biya S	umam		Sam	Jus Asenalla
Ms. Priya Suman Compliance Officer		-	Mr. S	anjay Kumar Agarwalla Technical Director
	Revisio	n History of the docu	ment:	
Revision da	te	Su	mmary of changes	
2022			Initial Adoption	
Jan 2023		Change in the templa	Annual revision	in TA and function
		enange in the temple		

				on «—	
	Ca	rbon Cheo	: k (India)) Privato	e Limited
		Certifica	te of Com	petency	
		Ms.	Indumath	iC	
nas been qual	ified as per CCIF ISO/IEC14	PL's internal qualificati 4065:2020, ISO/IEC	ion procedures in a 17029:2019 and of	cordance with the her applicable GH	e requirements of CDM AS (V7.0 G programs:
		for the follow	ving functions and re	quirements:	
🛛 Valida	tor	🛛 Verifier	🛛 Team I	.eader 🛛 🖂	Technical Expert
🗆 Techn	ical Reviewer	🗌 Health Expert	🗌 Gende	r Expert 🗌	Plastic Waste Expert
CCB Ex	opert	🗌 Legal Expert	🗌 Financi	ial Expert	Environmental, Health and
□ SDG+		🗌 Social no-harm	(S+)	nment E+)	arety financial matters
🛛 Local I	Expert for India				
		in the	following Technical A	reas:	
	🗆 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 D	Date		Ex	piry Date
	5 th Decemb	er 2023		31 st De	ecember 2024
			Sangers Adminible		
		Mr. S	anjay Kumar Agarwa Technical Director	alla	
		Revisio	n History of the docu	iment:	
	Revision dat	e	Su	mmary of changes	
	2022 ¹			Annual revision	
	Dec 2023		Change in the templa	Annual revision	in TA and function
	Dec 2025		enange in the templa	acto revision i	

No.	Author	Title	References to the document	Provider
01	AEPC	Monitoring Report	Version 1. 22/03/2023 Version 02 25/11/2023	CME
02	AEPC	ER calculations sheet	Version 01	CME
03	AEPC	User Survey Report and the Survey responses for	2021/2022	CME
		1. CPA1 2. CPA2 3. CPA3 4. CPA4 5. CPA5 6. CPA6 7. CPA7 8. CPA10		
04	AEPC	Contract signed between AEPC and Biogas Manintenance and Repairer (Pashupati Biogas Tatha Nirman Company Pvt. Ltd.	Dated 07/ 09 /2023	CME
05	AEPC	Sample Questionnaire for Biogas Users Households		CME
06	Gobargas Sahyog Karykaram	Technical Specification of Biogas plant	Dated 2010	CME
07	AEPC	Sample Carbon Waiver Agreement Between End User and the CME	-	CME
08	AEPC	Maintenance records		CME
09	AEPC	Training Records		CME
10	AEPC	Random number generator for sampling		CME
11	AEPC	Sampling Precision calculation sheet		CME
12	AEPC	Biogas plant database		CME
13	CCIPL	Counter-signed contract between CCIPL and PP	02/08/2023	
B01	UNFCCC	 Validation and Verification Standard for PoAs, version 03.0 Project Standard for PoAs, version 03.0 Project Cycle Procedure for PoAs, version 03.0 	http://cdm.unfccc.int/	Others
B02	UNFCCC	Applied baseline and monitoring methodology, AMS-I.E., version 09	http://cdm.unfccc.int/	Others
B03	UNFCCC	Instructions for filling out the monitoring report form for CDM programme of activities version 05.0	http://cdm.unfccc.int/	Others
B04	UNFCCC	Approved revised PoA-DD (version 03 dated 31/01/2020); CPA-DD for 3109: (version 16 dated 03/11/2019);	http://cdm.unfccc.int/	Others

Appendix 3. Documents reviewed or referenced

	1			
		CPA-DD for 3113 : (version 6		
		dated 03/05/2021);		
		CPA-DD for 3114 : (Version 6)		
		dated 03/05/2021);		
		CPA-DD for 3116 : (Version 6)		
		dated $\frac{04}{05}$ (12021);		
		CPA-DD for 3566 : (Version 6		
		dated 04/05/2021);		
		deted 16/05/2020); and		
		dated 10/05/2020), and		
DOF		corresponding validation reports.	http://oduc.upfo.co.int/	Othore
805	UNFUCU	1. Guidelines: Sampling and	nup://cam.uniccc.ini/	Others
		surveys for CDIVI project		
		activities Version 04.0		
		2 "Cuidelines for sompling and		
		2. Guidelines for Sampling and		
		activities and programme of		
		activities" Annex 5 EB 69		
		version 02 0		
B06	UNECCC	1 Standard Standard for	http://cdm.unfccc.int/	Others
200		sampling and surveys for		Calore
		CDM project activities and		
		Programme of Activities		
		version 09.0 (used by VVB 2		
		2. Standard for sampling and		
		surveys for CDM project		
		activities and programme of		
		activities, version 03.0 (used		
		by the CME)		
B07	UNFCCC	Guideline: Application of	http://cdm.unfccc.int/	Others
		materiality in verifications" version		
		02.0		
B08	UNFCCC	Monitoring Report and Verification	http://cdm.unfccc.int/	Others
		Reports of the previous		
		monitoring periods		

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

Table 1.	Cable 1. Remaining FAR from validation and/or previous verifications				
FAR ID	01	Section no.	-	Date: 22/11/2022	
Description	of FAR				
PP shall Initia	ate CP renewal	for CPA2, CPA3, CPA	4 and CPA5. PP may loose o	credits due to delay in	
renewal of Cl	P. VVB shall ch	eck at the time of next	verification.		
Project parti	Project participant response Date: 26/11/2023				
The Project F	The Project Participant will check the status of crediting period renewal of CPA 2, CPA 3, CPA 4 and CPA				
5 and plan fo	r the crediting p	eriod renewal during r	next verification		
Documentat	ion provided b	y project participant			
VVB assess	ment			Date: 11/12/2023	
PP will check	for CP renewa	I CPA2, CPA3, CPA4	and CPA5 and will plan acco	rdingly.	

Table 2.CL from this verification

CL ID	01	Section no.	3.1	Date:			
Description	Description of CL						
-							
Project part	icipant response			Date:			
Documentat	ion provided by CME						
VVB assess	ment			Date:			

Table 3.CAR from this verification

CAR ID	01	Section no.	3.1	Date: 20/11/2023		
Description	Description of CAR					
SDG calculat	tion spreadsheet has	not been provia	ed to the verification team to	cross-check the results for		
SDG values	reported.					
CME respon	se			Date: 26/11/2023		
The SDG Ca	Iculation spreadsheet	is calculated ur	der Emission Reduction spre	adsheet separately in		
SDG Calulati	ion1,2,3,4,5,6,7,10 sh	eet. Please see	Emission Reduction spreads	heet		
Documentat	ion provided by CM	E				
1. 26. G	S3110_ER Calculation s	heet_Biogas PoA	_CP-2_MP-3_V02			
VVB assess	ment			Date: 11/12/2022		
PP has prov	ided the SDG Calcul	ation spreadshe	et is calculated under the Em	ission Reduction		
spreadsheet.	CAR 01 is closed.					

CAR ID	02	Section no.	Date: 20/11/2023
Description	of CAR		

PP is requested to address following inconsistency in line with the GS Monitoring Report template guideline v1.1:

- 1. In table 1, sections A.2, B.1, D.2, D.3, E.2,E.4 and E.5 of the MR v1, the figures are not present with comma as per the para 16 of GS Monitoring Report template guideline v1.1, which states that "Figures above one thousand shall be formatted with a comma (for example 1,000,000), and decimals will be separated by a point (for example 1.35)".
- 2. In section table 2 and section A.1 of the MR v1, PP has not written dates in DD/MM/YYYY format comma as per the para 16 of GS Monitoring Report template guideline v1.1 which states that "All Dates must be in the following format: DD/MM/YYYY"

CME response

Date: 26/11/2022

1. As per the para 16 of GS Monitoring Report template guideline V1.1, the figures in table 1, sections A.2, B.1, D.2, D.3, E.2,E.4 and E.5 of the MR v1 are presented with comma.

The dates are revised and corrected in section table 2 and section A.1 of the MR v1 as per the dates format comma as per the para 16 of GS Monitoring Report template guideline v1.1.

Documentation provided by CME

1. 25. GS3110_Biogas PoA_Monitoring Report_CP-2_MP-3_V02_Clean

25. GS3110_Biogas PoA_Monitoring Report_CP-2_MP-3_V02_Clean

VVB assessment

Date: 11/12/2022

PP has revised the MR as per the comments raised. CAR 02 is closed.

CAR ID	03	Section no.	Date: 20/11/2023
Descriptio	n of CAR		
PP is reque	ested to addre	ss the following editorial error in the N	/R v1:
In section E	.1, in the follo	wing calculation PP has written 0.792	24 instead of 0.7942 –
By = 19,99	99 x 0.7924 x	x (5.04-0.55) = 71,315.59 tonne	
CME respo	onse		Date: 26/11/2023
The editoria	al error in sect	ion E.1 of MR v1 is revised and corre	cted as suggested. Please see Monitoring
Report CP	2 MP_3		
Document	ation provide	d by CME	
1. 25.	GS3110_Bioga	s PoA_Monitoring Report_CP-2_MP-3_V	02_Clean

PP has revised the editorial error in the MR v02. CAR 03 is closed.

 Table 4. FAR from this verification

FAR ID	XX	Section No.		Date: DD/MM/YYYY
Description of FAR				
Project parti	icipant response			Date: DD/MM/YYYY
Documentation provided by project participant				
VVB assess	ment			Date: DD/MM/YYYY

Appendix 5. Data and parameters fixed ex ante

Data/Parameter	f _{NRBy} Fraction of woody biomass saved by the project			
	activity during year y that can be established as non-			
	renewable biomass			
Default values used:	86.1 %			
Purpose of data	Baseline emission calculation			
Source and Verification of the source	Calculated as per "TOOL30: Calculation of the fraction			
	of non-renewable biomass".			
	Cross verified from the approved CPA-DDs/B04/.			
Data/Parameter	EFprojected fossil fuel Emission factor for the projected fossil			
	fuel consumption in the baseline			
Default values used:	63.7 tCO ₂ /TJ			
Purpose of data	Baseline emission calculation			
Source and Verification of the source	AMS I.E., version 09/B02/			
Data/Parameter	N_{HH} Number of households in the project activity in			
	year y			
Default values used:	CPA-1: 19,999			
	CPA-2: 19,927			
	CPA-3: 19,959			
	CPA-4: 19,970			
	CPA-5: 19,942			
	CPA-6: 18,504			
	CPA-7: 18,392			
	CPA-10: 10,589			
Purpose of data	Baseline emission calculation			
Source and Verification of the source	BSP Database/19/ and cross-verified from the ex-ante			
	value in the CPA-DDs/B04/			
Data/Parameter	BC _{BLHH,y} Average annual consumption of woody			
	biomass per household before the start of the project			
	activity			
Default values used:	5.04 tonne/household/year			
Purpose of data	Baseline emission calculation			
Source and Verification of the source	Based on baseline user surveys for other projects and			
	the value is determined ex-ante in the CPA-DDs/B04/			

Appendix 6. Data and parameters monitored

Monitoring Parameter Requirement	Assessment/ Observation by the VVB
Data / Parameter:	NCV _{biomass}
(as in monitoring plan of PDD):	
Measuring frequency/Time Interval:	N/A
Reporting frequency:	N/A
Is measuring and reporting frequency in	Yes
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance.
Is accuracy of the monitoring equipment	Not Applicable since no equipment is used to determine
as stated in the PDD? If the PDD VVBs	the parameter
not specify the accuracy of the	
monitoring equipment. VVBs the	
monitoring equipment represent good	
monitoring practise?	
Calibration frequency /interval:	No equipment used hence the calibration requirement
Is it monitoring methodology /CDM EB	not applicable.
guidance / local or national standards /	
manufacturers specification	
Is the calibration interval in line with the	No equipment used hence the calibration requirement
monitoring plan of the PDD? If the PDD	not applicable.
VVBs not specify the frequency of	
calibration, VVBs the selected frequency	
represent good monitoring practise?	
Company performing the calibration	No equipment used hence the calibration requirement
(internal or external calibration):	not applicable.
Did calibration confirm proper functioning	No equipment used hence the calibration requirement
of monitoring equipment? (Yes / No):	not applicable.
Is (are) calibration(s) valid for the whole	No equipment used hence the calibration requirement
reporting period?	not applicable.
If applicable, has the reported data been	Yes, the value of parameter has been cross checked
cross-checked with other available data?	with the methodology AMS-I.E., version 09/B02/ and
	the approved CPA-DDs/B04/.
How were the values in the monitoring	The values mentioned in the MR 0.0156 TJ/tonne have
report verified?	been cross checked with the methodology AMS-I.E.,
	version 09/B02/ and the approved CPA-DDs/B04/. The
	parameter is a default value as per the methodology
	and thus VVBs not require any changes.
VVBs the data management (from data	Yes, the data management ensures correct transfer of
generation to emission reduction	data and reporting of emission reductions and all
calculation) ensure correct transfer of	necessary QA/QC processes are in place.
data and reporting of emission	
reductions and are necessary QA/QC	The appropriate QA/QC procedures have been
processes in place?	followed for the monitoring parameter.
In case only partial data are available	NA. Full data is available for the monitoring period.
because activity levels or non-activity	
parameters have not been monitored in	
accordance with the approved revised	
monitoring plan, has the most	

conservative assumption theoretically possible been applied or has a request for deviation been approved?

Monitoring Parameter Requirement	Assessment/ Observation by the VVB
Data / Parameter:	BC _{PJ.HLv}
(as in monitoring plan of PDD):	
Measuring frequency/Time Interval:	Atleast once every two years (biennial)
Reporting frequency:	Atleast once every two years (biennial)
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households. The sample size is determined to achieve 90% confidence interval and a 10% margin of error. During the survey, the estimates of the biogas users on the average annual consumption of woody biomass during the monitoring period is captured.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval: Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification	No equipment used hence the calibration requirement not applicable.
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipment used hence the calibration requirement not applicable.
Company performing the calibration (internal or external calibration):	No equipment used hence the calibration requirement not applicable.
Did calibration confirm proper functioning of monitoring equipment? (Yes / No):	No equipment used hence the calibration requirement not applicable.
Is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement not applicable.
If applicable, has the reported data been cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey responses received/ 09 /. The reported responses were cross-checked with the sample end users during the onsite visit by the verification team. The verification team interviewed a total of 08 households from different strata to cross-check the responses and determined that the responses provided in the Biogas User Survey report/ 09 / were consistent with the responses received from the end users by the verification team.
How were the values in the monitoring report verified?	The values mentioned in the MR have been cross checked with the Biogas User Survey report/ 09 / and the end users. The Surveys were carried out in June 2021. The reported values for the parameter during the reported monitoring period for CPA1 and CPA10 were

W/Bs the data management (from data	found to be less than the previous monitoring period parameter is a default value as per the methodology and thus VVBs not require any changes. The values reported during the monitoring period are: CPA-1: 0.55 tonnes/household/year CPA-2: 0.54 tonnes/household/year CPA-3: 0.51 tonnes/household/year CPA-4: 0.49 tonnes/household/year CPA-5: 0.55 tonnes/household/year CPA-6: 0.51 tonnes/household/year CPA-7: 0.51 tonnes/household/year CPA-10: 0.51 tonnes/household/year The values were also found to be lesser than the ex- ante estimate of 0.54 tonnes/household/year. The reported value is same for CPA10 as compared to the previous monitoring period.
generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/.
	The appropriate QA/QC procedures have been followed for the monitoring parameter.
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full data is available for the monitoring period.

Monitoring Parameter Requirement	Assessment/ Observation by the VVB
Data / Parameter:	B _v
(as in monitoring plan of PDD):	y
Measuring frequency/Time Interval:	Once in a year (annual)
Reporting frequency:	Once in a year (annual)
Is measuring and reporting frequency in	Yes
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households to check the operational status of the biogas units. P_Y is Proportion of Bio digesters operational estimated based on the sample survey. The sample size is determined to achieve 90% confidence interval and a 10% margin of error.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval:	No equipment used hence the calibration requirement not applicable.

Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification	
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipment used hence the calibration requirement not applicable.
Company performing the calibration	No equipment used hence the calibration requirement
(Internal or external calibration):	not applicable.
of monitoring equipment? (Yes / No):	not applicable.
Is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement not applicable.
If applicable, has the reported data been cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey responses received/ 09 /. The reported responses were cross-checked with the sample end users during the onsite visit by the verification team. The verification team interviewed a total of 08 households from different strata to cross-check the responses and determined that the responses and operational status provided in the Biogas User Survey report/ 09 / were consistent with the responses received from the end users by the verification team.
How were the values in the monitoring report verified?	The values mentioned in the MR have been cross checked with the Biogas User Survey report/ 09 / and the end users. The values reported during the monitoring period are: CPA-1: 71,315.59 tCO ₂ eq CPA-2: 67,459.87 tCO ₂ eq CPA-3: 72,620.74 tCO ₂ eq CPA-4: 80,232.47 tCO ₂ eq CPA-5: 73,936.27 tCO ₂ eq CPA-6: 32,369.97 tCO ₂ eq CPA-7: 33,639.07 tCO ₂ eq CPA-10: 38,009.98 tCO ₂ eq The ex-ante values have not been provided in the CPA- DDs/B04/. The value for CPA1, is higher as compared to the previous monitoring period.
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the data management ensures correct transfer of data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/. The appropriate QA/QC procedures have been followed for the monitoring parameter.
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically	NA. Full data is available for the monitoring period.

possible been applied or has a request	
for deviation been approved?	

SDG Indicator	Assessment/ Observation by the VVB
3.9.1 Mortality rate attributed to	
Data / Parameter:	Users' perception on reduction in indoor air pollution
(as in monitoring plan of PDD).	
Measuring frequency/Time Interval:	At least biennial
Is measuring and reporting frequency in	Yes
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households to check the operational status of the biogas units.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval: Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification	No equipment used hence the calibration requirement not applicable.
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipment used hence the calibration requirement not applicable.
Company performing the calibration (internal or external calibration):	No equipment used hence the calibration requirement not applicable.
Did calibration confirm proper functioning of monitoring equipment? (Yes / No):	No equipment used hence the calibration requirement not applicable.
Is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement not applicable.
If applicable, has the reported data been cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey responses received/ 09 /. The reported responses were cross-checked with the sample end users during the onsite visit by the verification team. The verification team interviewed a total of 08 households from different strata to cross-check the responses and determined that the responses and operational status provided in the Biogas User Survey report/ 09 / were consistent with the responses received from the end users by the verification team.
How were the values in the monitoring report verified?	The values mentioned in the MR have been cross checked with the Biogas User Survey report/ 09 / and the end users. The values reported during the monitoring period are: CPA-1: 96.25% CPA-2: 100%

	CPA-3: 98.77% CPA-4: 98.85% CPA-5: 97.59% CPA-6: 100% CPA-7: 95.24% CPA-10: 97.50% The ex-ante values have not been provided in the CPA- DDs/B04/. The value for CPA3, is higher as compared to the previous monitoring period.
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the data management ensures correct transfer of data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/. The appropriate QA/QC procedures have been followed for the monitoring parameter.
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full data is available for the monitoring period.

SDG Indicator 3.9.1 Mortality rate attributed to	Assessment/ Observation by the VVB
household and ambient air pollution	
Data / Parameter:	Reduction in health problem
(as in monitoring plan of PDD):	
Measuring frequency/Time Interval:	At least biennial
Is measuring and reporting frequency in	Yes
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the
	average number of eaters per appliance.
	Biogas User Survey is conducted on a sample of
	hioras units
Is accuracy of the monitoring equipment	Not Applicable since no equipment is used to determine
as stated in the PDD? If the PDD VVBs	the parameter
not specify the accuracy of the	
monitoring equipment, VVBs the	
monitoring equipment represent good	
monitoring practise?	
Calibration frequency /interval:	No equipment used hence the calibration requirement
Is it monitoring methodology /CDM EB	not applicable.
guidance / local or national standards /	
manufacturers specification	
Is the calibration interval in line with the	No equipment used hence the calibration requirement
monitoring plan of the PDD? If the PDD	not applicable.
VVBs not specify the frequency of	

calibration, VVBs the selected frequency						
represent good monitoring practise?						
Company performing the calibration	No equipment used hence the calibration requirement					
(internal or external calibration):	not applicable.					
Did calibration confirm proper functioning	No equipment used hence the calibration requirement					
or monitoring equipment? (Yes / No):	not applicable.					
is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement					
If applicable, has the reported data been	not applicable.					
cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey					
	with the blogas User Survey reports and the survey responses received/09/ The reported responses were					
	cross-cl	hecked with	the sample en	d users	during the	
	onsite v	visit by the	verification tea	m. The	verification	
	team int	terviewed a	total of 08 house	holds fro	om different	
	strata te	o cross-che	ck the response	es and o	determined	
	that the	responses	and operationa	l status p	provided in	
	the Biog	gas User Su	rvey report/09/ v	vere cons	sistent with	
	the res	ponses rec	eived from the	end use	ers by the	
How were the values in the monitoring	The vertical	lion team.	nod in the ME	baya b	oon cross	
report verified?		d with the Rid	ngas User Surve	v report/	09 / and the	
	end use	ers The val	ues reported du	ring the	monitoring	
	period a	are:		ing the	ineineing	
	CPAs		% HH perceived	reduction	n in	
		Eye	Respiratory	Cough	Fire	
		infection	diseases		related	
	CPA-1	96.25	92.50	92 50	Q1 25	
	CPA-1 CPA-2	96.25 98.68	92.50 98.68	92.50 97.37	91.25 93.42	
	CPA-1 CPA-2 CPA-3	96.25 98.68 91.36	92.50 98.68 83.95	92.50 97.37 72.84	91.25 93.42 74.07	
	CPA-1 CPA-2 CPA-3 CPA-4	96.25 98.68 91.36 93.10	92.50 98.68 83.95 90.80	92.50 97.37 72.84 86.21	91.25 93.42 74.07 80.46	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5	96.25 98.68 91.36 93.10 97.59	92.50 98.68 83.95 90.80 93.98	92.50 97.37 72.84 86.21 93.98	91.25 93.42 74.07 80.46 90.36	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6	96.25 98.68 91.36 93.10 97.59 88.61	92.50 98.68 83.95 90.80 93.98 89.87	92.50 97.37 72.84 86.21 93.98 89.87	91.25 93.42 74.07 80.46 90.36 88.61	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7	96.25 98.68 91.36 93.10 97.59 88.61 96.43	92.50 98.68 83.95 90.80 93.98 89.87 96.43	92.50 97.37 72.84 86.21 93.98 89.87 96.43	91.25 93.42 74.07 80.46 90.36 88.61 96.43	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA-	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/.	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the	
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period.	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the	
VVBs the data management (from data	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of	
VVBs the data management (from data generation to emission reduction	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data ar	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reductior	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous Yes, the data an necessa	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all lace. The	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures g of emission processes a inel were train	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned pric	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The pr to the	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data an necessa monitor	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CPA s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a nel were train (09/.	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned price	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all lace. The or to the	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a nel were train (09/.	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned pric	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all lace. The or to the	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures g of emission processes at inel were train (09/. QA/QC proceed	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reductior re in p ned pric	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The or to the ave been	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed NA Full	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate d for the mol data is ava	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a nel were train '09 /. QA/QC proceed nitoring paramet	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned price dures h er.	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The or to the ave been period	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed NA. Ful	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate d for the mo l data is ava	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a mel were train (09/. QA/QC proceed nitoring paramet ilable for the mo	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned prio	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The por to the ave been period.	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed NA. Ful	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate d for the mod	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures g of emission processes at inel were train (09/. QA/QC proceed nitoring paramet ilable for the mo	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reductior re in p ned pric	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The or to the ave been period.	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed NA. Ful	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate <u>d for the mon</u> I data is ava	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a nel were train (09/. QA/QC proceed nitoring paramet ilable for the mo	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned pric	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The or to the ave been period.	
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA- 10 The ex- DDs/B0 The val previous Yes, the data ar necessa monitor The al followed NA. Ful	96.25 98.68 91.36 93.10 97.59 88.61 96.43 92.50 ante values 4/. lue for CP/ s monitoring e data mana nd reporting ary QA/QC ing person ing surveys/ ppropriate d for the mo l data is ava	92.50 98.68 83.95 90.80 93.98 89.87 96.43 87.50 have not been p A3, is higher as period. agement ensures of emission processes a mel were train (09/. QA/QC proceed nitoring paramet ilable for the mo	92.50 97.37 72.84 86.21 93.98 89.87 96.43 86.25 rovided i s compa s correct reduction re in p ned prio	91.25 93.42 74.07 80.46 90.36 88.61 96.43 86.25 n the CPA- red to the transfer of ns and all blace. The or to the ave been period.	

possible been applied or has a request
for deviation been approved?

SDG Indicator	Assessme	nt/ Observation by the VVB	
3.9.1 Mortality rate attributed to			
household and ambient air pollution			
Data / Parameter:	User's perc	eption in Time saving for the cooking	
(as in monitoring plan of PDD):	(reduce ex	posure to indoor air pollution)	
Measuring frequency/Time Interval:	At least biennial		
is measuring and reporting frequency in	Yes		
monitoring methodology? (Yes (No)			
Details of monitoring equipment:	No monito	pring equipment used to determine the	
Details of monitoring equipment.	average nu	mber of eaters per appliance	
	Biogas Us	er Survey is conducted on a sample of	
	households	to check the operational status of the	
	biogas unit	S.	
Is accuracy of the monitoring equipment	Not Applica	ble since no equipment is used to determine	
as stated in the PDD? If the PDD VVBs	the parame	ter.	
not specify the accuracy of the			
monitoring equipment, VVBs the			
monitoring equipment represent good			
Monitoring practise?		ant used honce the colibration requirement	
Le it monitoring methodology /CDM EB	not applica		
quidance / local or national standards /		DIE.	
manufacturers specification			
Is the calibration interval in line with the	No equipm	ent used hence the calibration requirement	
monitoring plan of the PDD? If the PDD	not applica	ble.	
VVBs not specify the frequency of			
calibration, VVBs the selected frequency			
represent good monitoring practise?			
Company performing the calibration	No equipm	ent used hence the calibration requirement	
(internal or external calibration):	not applica	ble.	
of monitoring equipment? (Yes / No):	not applica	ble.	
Is (are) calibration(s) valid for the whole	No equipm	ent used hence the calibration requirement	
reporting period?	not applica	ble.	
If applicable, has the reported data been	Yes, the Va	alue of parameter has been cross checked	
		received/ 00 / The reported responses were	
	cross-chec	ked with the sample and users during the	
	onsite visit	by the verification team. The verification	
	team interv	iewed a total of 08 households from different	
	strata to c	ross-check the responses and determined	
	that the res	sponses and operational status provided in	
	the Biogas	User Survey report/09/ were consistent with	
	the respon	ses received from the end users by the	
	verification	team.	
How were the values in the monitoring	The values	s mentioned in the MR have been cross	
	end users	The values reported during the manitoring	
	period are:	The values reported during the monitoring	
	CPAs	% HH perceived reduction in cooking time	
		for	

	CPA-1	Men	Women	Children	
	CPA-1	12.50	96.25	5.0	1
	CPA-2	27.63	85.53	1.32	1
	CPA-3	29.63	91.36	2.47	1
	CPA-4	31.03	94.25	1.15	1
	CPA-5	27.71	100	6.02	1
	CPA-6	34.18	98.73	0.00	1
	CPA-7	40.48	98.81	3.57	1
	CPA-10	31.25	98.75	3.75	1
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	The ex-ant DDs/B04/. The value previous m Yes, the da data and necessary monitoring monitoring The appr followed fo	for CPA3 for CPA3 nonitoring p ata manage reporting QA/QC personne surveys/ 09 opriate Q r the monit	ive not been p ris higher a eriod. ement ensure of emission processes a processes a l were trai of. A/QC proce pring parame	brovided in the CP s compared to the s correct transfer reductions and a are in place. The ined prior to the dures have been ter.	A- of all he en
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full da	ata is availa	ble for the mo	onitoring period.	

SDG Indicator 7.1.2 Proportion of population with primary reliance on clean fuels and technology	Assessment/ Observation by the VVB
Data / Parameter: (as in monitoring plan of PDD):	Time saving (Fuel wood collection)
Measuring frequency/Time Interval:	At least biennial
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households to check the operational status of the biogas units.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval:	No equipment used hence the calibration requirement not applicable.

Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification				
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipm not applica	nent used hence t able.	the calibration red	quirement
Company performing the calibration	No equipment used hence the calibration requirement			
(Internal or external calibration):	not applicable.			
of monitoring equipment? (Yes / No).	not applica	able		quirement
Is (are) calibration(s) valid for the whole	No equipm	nent used hence t	the calibration red	quirement
reporting period?	not applica	able.		•
If applicable, has the reported data been	Yes, the v	alue of paramete	er has been cros	s checked
cross-checked with other available data?	with the E	Biogas User Surv	ey reports and	the survey
	responses	received/09/. The	e reported respo	nses were
	cross-cried	t by the verifica	tion team. The	werification
	team interv	viewed a total of (8 households fro	m different
	strata to o	cross-check the	responses and o	determined
	that the re	esponses and op	erational status p	provided in
	the Biogas	User Survey rep	ort/09/ were cons	sistent with
	the respon	nses received fr	om the end use	ers by the
How were the values in the monitoring		s mentioned in	the MR have h	een cross
report verified?	checked w	ith the Biogas Us	er Survey report/	09 / and the
'	end users	. The values rep	orted during the	monitoring
	noriad are		-	-
	periou are			
	CPAs	% HH perceive	d reduction in fire	wood collect
	CPAs	% HH perceived	d reduction in fire time for Women	wood collect
	CPA-1	% HH perceived Men	d reduction in fire time for Women 98.75	wood collect Childre
	CPA-1 CPA-2	% HH perceive Men 13.75 17.11	d reduction in fire time for Women 98.75 96.05	wood collect Childre 5.00 1.32
	CPA-1 CPA-2 CPA-3	% HH perceived Men 13.75 17.11 37.04	d reduction in fire time for Women 98.75 96.05 36.30	Childre 5.00 1.32 0.00
	CPAs CPA-1 CPA-2 CPA-3 CPA-4	% HH perceived Men 13.75 17.11 37.04 31.03	d reduction in fire time for 98.75 96.05 36.30 98.85	Childre 5.00 1.32 0.00 9.20
	CPAs CPA-1 CPA-2 CPA-3 CPA-4 CPA-5	% HH perceived Men 13.75 17.11 37.04 31.03 36.14	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80	Childre 5.00 1.32 0.00 9.20 3.61
	CPA-1 CPA-2 CPA-3 CPA-5 CPA-6	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44	Vomen 98.75 96.05 36.30 98.85 98.80 98.73	Childre 5.00 1.32 0.00 9.20 3.61 1.27
	CPAs CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-7	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95
	CPA-1 CPA-2 CPA-3 CPA-5 CPA-6 CPA-10	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25	d reduction in firey time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-10	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25	d reduction in firey time for Women 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-10	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25	d reduction in firev time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/.	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
VVBs the data management (from data	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in ensures correct	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00 n the CPA- transfer of
VVBs the data management (from data generation to emission reduction	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management reporting of en	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in ensures correct hission reduction	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and necessary	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management reporting of en QA/QC proce	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in rensures correct hission reduction sses are in p	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and necessary monitoring	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.44 35.71 41.25 te values have no ata management reporting of en QA/QC proce personnel we SURVEYS /09/	d reduction in firev time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in rensures correct hission reduction sses are in pere trained prior	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and necessary monitoring monitoring	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management reporting of en QA/QC proce personnel we surveys/09/.	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in ensures correct hission reduction sses are in pere trained price	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and necessary monitoring monitoring	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management reporting of en QA/QC proce personnel we surveys/09/.	d reduction in fire time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in rensures correct hission reduction sses are in p procedures hission	wood collect Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00 n the CPA- transfer of and all lace. The or to the ave been
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	CPA-1 CPA-2 CPA-2 CPA-3 CPA-4 CPA-5 CPA-6 CPA-7 CPA-10 The ex-ant DDs/B04/. Yes, the d data and necessary monitoring monitoring The appr followed for	% HH perceived Men 13.75 17.11 37.04 31.03 36.14 35.71 41.25 te values have no ata management reporting of en QA/QC proce personnel we surveys/09/. ropriate QA/QC or the monitoring	d reduction in firev time for 98.75 96.05 36.30 98.85 98.80 98.73 96.43 100 t been provided in ensures correct hission reduction sses are in p ere trained price procedures has parameter.	Childre 5.00 1.32 0.00 9.20 3.61 1.27 5.95 0.00

parameters have not been monitored in	
accordance with the approved revised	
monitoring plan, has the most	
conservative assumption theoretically	
possible been applied or has a request	
for deviation been approved?	

SDG Indicator	Assessment/ Observation by the VVB
3.9.3 Mortality rate attributed to	
unintentional poisoning	
Data / Parameter:	Users perception in reduction of chemical fertilizers
(as in monitoring plan of PDD).	At least bioppial
ls measuring and reporting frequency in	At least biefinial
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the
Dotallo of mornitorinig oquipmonti	average number of eaters per appliance.
	Biogas User Survey is conducted on a sample of
	households to check the operational status of the
	biogas units.
Is accuracy of the monitoring equipment	Not Applicable since no equipment is used to determine
as stated in the PDD? If the PDD VVBs	the parameter.
not specify the accuracy of the	
monitoring equipment, VVBs the	
monitoring equipment represent good	
Colibration fraguency (interval)	No equipment used hence the colibration requirement
Is it monitoring methodology /CDM FB	not applicable
quidance / local or national standards /	
manufacturers specification	
Is the calibration interval in line with the	No equipment used hence the calibration requirement
monitoring plan of the PDD? If the PDD	not applicable.
VVBs not specify the frequency of	
calibration, VVBs the selected frequency	
represent good monitoring practise?	
Company performing the calibration	No equipment used hence the calibration requirement
(internal or external calibration):	not applicable.
of monitoring equipment? (Ves / No):	No equipment used hence the calibration requirement
Is (are) calibration(s) valid for the whole	No equipment used hence the calibration requirement
reporting period?	not applicable
If applicable, has the reported data been	Yes, the value of parameter has been cross checked
cross-checked with other available data?	with the Biogas User Survey reports and the survey
	responses received/09/. The reported responses were
	cross-checked with the sample end users during the
	onsite visit by the verification team. The verification
	team interviewed a total of 08 households from different
	strata to cross-check the responses and determined
	that the responses and operational status provided in
	the Biogas User Survey report/ U9 / were consistent with
	une responses received from the end users by the
How were the values in the monitoring	The values mentioned in the MR have been cross
report verified?	checked with the Biogas User Survey report/ 09 / and the

	end user period ar	s. The v e:	alues re	eported of	during th	e monitoring
	CPAs	% chang	ges in us	e of chen	nical ferti	lizers and
		Form				Potach
		Vard	ыо- slurry	Ulea	DAP	POLASII
		Manur	Sidiry			
		e				
	CPA-1	27.32	100	36.11	36.84	0.00
	CPA-2	22.49	100	44.44	52.94	0.00
	CPA-3	27.37	100	34.38	50.00	42.11
	CPA-4	21.64	100	39.39	47.37	40.00
	CPA-5	21.62	100	46.15	44.00	20.00
	CPA-6	19.35	100	38.46	46.15	0.00
	CPA-7	29.07	100	42.00	30.43	50.00
	CPA-10	18.91	100	47.62	54.55	50.00
VVBs the data management (from data generation to emission reduction	The ex-al DDs/B04 Yes, the data and	nte value /. data mai data mai	s have nageme	not been ent ensur emission	provideo res corre reducti	d in the CPA- ct transfer of ons and all
calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	necessar monitorin monitorin The app followed	y QA/Q lg perso lg survey propriate for the m	C pro onnel v s/ 09 /. QA/Q onitorin	cesses were tra C proc g param	are in ained p edures eter.	place. The rior to the have been
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full o	data is av	/ailable	for the n	nonitorin	g period.
SDC Indicator	A	ant/Oh	o o m roti	an hu th	~ \//P	
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)g	ASSessi		Servati		evvb	
Data / Parameter:	Improved	access	to sanit	ation ser	vices	
(as in monitoring plan of PDD):	At 1 + 1	ione:-!				
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes	piennial				
Details of monitoring equipment:	No mon average Biogas U househol biogas ur	itoring e number c Jser Sur ds to cl nits.	equipme of eaters vey is neck th	ent used s per app conduct ne opera	d to de bliance. æd on a ational s	termine the a sample of tatus of the

Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval: Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification	No equipment used hence the calibration requirement not applicable.
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipment used hence the calibration requirement not applicable.
Company performing the calibration (internal or external calibration):	No equipment used hence the calibration requirement not applicable.
of monitoring equipment? (Yes / No):	not applicable.
Is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement not applicable.
If applicable, has the reported data been cross-checked with other available data? How were the values in the monitoring report verified?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey responses received/ 09 /. The reported responses were cross-checked with the sample end users during the onsite visit by the verification team. The verification team interviewed a total of 08 households from different strata to cross-check the responses and determined that the responses and operational status provided in the Biogas User Survey report/ 09 / were consistent with the responses received from the end users by the verification team. The values mentioned in the MR have been cross checked with the Biogas User Survey report/ 09 / and the end users. The values reported during the monitoring period are:
	CPA-1: 51.25% CPA-2: 71.05% CPA-3: 54.32% CPA-4: 71.26% CPA-5: 78.31% CPA-6: 74.68% CPA-7: 47.62% CPA-10: 92.50% The ex-ante values have not been provided in the CPA- DDs/B04/.
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the data management ensures correct transfer of data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/.
	The appropriate QA/QC procedures have been followed for the monitoring parameter.

SDG Indicator	Assessment/ Observation by the VVB
7.1.2 Proportion of population with	
primary reliance on clean fuels and	
technology	
Data / Parameter:	Trainings to Masons
(as in monitoring plan of PDD):	
Measuring frequency/Time Interval:	At least biennial
Is measuring and reporting frequency in	Yes
accordance with the monitoring plan and	
monitoring methodology? (Yes / No)	
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households to check the operational status of the biogas units.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs	Not Applicable since no equipment is used to determine the parameter.
not specify the accuracy of the	
monitoring equipment, VVBs the	
monitoring equipment represent good	
monitoring practise?	
Calibration frequency /interval:	No equipment used hence the calibration requirement
Is it monitoring methodology /CDM EB	not applicable.
guidance / local or national standards /	
manufacturers specification	
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD	No equipment used hence the calibration requirement not applicable.
VVBs not specify the frequency of	
calibration, VVBs the selected frequency	
represent good monitoring practise?	
Company performing the calibration	No equipment used hence the calibration requirement
(Internal or external calibration):	not applicable.
of manitaring aquipment? (Vice (No))	no equipment used hence the calibration requirement
or monitoring equipment? (Yes / No):	No applicable.
reporting period?	not applicable.
If applicable, has the reported data been cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Training report . The reported responses were cross-checked with the sample end users during the onsite visit by the verification team
How were the values in the monitoring report verified?	The values mentioned in the MR have been cross checked with the Training Report and the end users. The values reported during the monitoring period are:
	35

	The ex-ante values have not been provided in the CPA-DDs/B04/.
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the data management ensures correct transfer of data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/.
	followed for the monitoring parameter.
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full data is available for the monitoring period.

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)g	Assessment/ Observation by the VVB
Data / Parameter: (as in monitoring plan of PDD):	Impact on Crop Productivity
Measuring frequency/Time Interval:	At least biennial
Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes
Details of monitoring equipment:	No monitoring equipment used to determine the average number of eaters per appliance. Biogas User Survey is conducted on a sample of households to check the operational status of the biogas units.
Is accuracy of the monitoring equipment as stated in the PDD? If the PDD VVBs not specify the accuracy of the monitoring equipment, VVBs the monitoring equipment represent good monitoring practise?	Not Applicable since no equipment is used to determine the parameter.
Calibration frequency /interval: Is it monitoring methodology /CDM EB guidance / local or national standards / manufacturers specification	No equipment used hence the calibration requirement not applicable.
Is the calibration interval in line with the monitoring plan of the PDD? If the PDD VVBs not specify the frequency of calibration, VVBs the selected frequency represent good monitoring practise?	No equipment used hence the calibration requirement not applicable.
Company performing the calibration (internal or external calibration):	No equipment used hence the calibration requirement not applicable.
Did calibration confirm proper functioning of monitoring equipment? (Yes / No):	No equipment used hence the calibration requirement not applicable.

Is (are) calibration(s) valid for the whole reporting period?	No equipment used hence the calibration requirement not applicable.
If applicable, has the reported data been cross-checked with other available data?	Yes, the value of parameter has been cross checked with the Biogas User Survey reports and the survey responses received/ 09 /. The reported responses were cross-checked with the sample end users during the onsite visit by the verification team. The verification team interviewed a total of 08 households from different strata to cross-check the responses and determined that the responses and operational status provided in the Biogas User Survey report/ 09 / were consistent with the responses received from the end users by the verification team.
How were the values in the monitoring report verified?	The values mentioned in the MR have been cross checked with the Biogas User Survey report/ 09 / and the end users. The values reported during the monitoring period are:
	% users perceived in increase in productivity due to bio-slurry use from Biogas: CPA-1: 91.14 % CPA-2: 76.06 % CPA-3: 94.94 % CPA-4: 89.29 % CPA-5: 91.25 % CPA-6: 94.94% CPA-6: 94.94% CPA-7: 76.25% CPA-10: 98.73% The ex-ante values have not been provided in the CPA- DDs/B04/
VVBs the data management (from data generation to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, the data management ensures correct transfer of data and reporting of emission reductions and all necessary QA/QC processes are in place. The monitoring personnel were trained prior to the monitoring surveys/09/. The appropriate QA/QC procedures have been followed for the monitoring parameter.
In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the approved revised monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	NA. Full data is available for the monitoring period.

Appendix 7. Implementation of Sampling Plan

Parameter: By (Qu	uantity of woody biomass that is substituted or displaced)
Whether the parameter is a numeric mean value or proportion?	Proportion
Sample size calculated by CME /PP	CPA 1 – 34 CPA 2 – 39 CPA 3 – 21 CPA 4 – 25 CPA 5 – 28 CPA 6 – 34 CPA 7 – 34 CPA 10 – 54
Considered response rate	100%. CME was able to reach all the household as biogas plants are fixed installations.
Adjusted sample size after applying the considered response rate	100– CPA 1, 2, 3, 4, 5,6, 7 & 10
If the parameter of interest is numeric mean value and the calculated sample size is less than 30 then whether Student's t-distribution has been applied or not?	Not Applicable
Sample size after applying Student's t-distribution	Not Applicable
Sample size applied by PP for monitoring survey	100 – CPA 1, 2, 3, 4,5,6,7 & 10
No. of households sampled by the PP and whether minimum sample size as calculated has	100 (Minimum 30 required as per the §14 of the sampling standard, version 09/ B06 /. The calculated sample size is also met.) – CPA 1, 2, 3, 4, 5, 6,7,10.
	thus the minimum sample size as calculated has been achieved.
Applied confidence and precision level and whether the same have been met or not?	The applied confidence interval and precision level is 90/10 for CPA 1, 2, 3, 4, 5,6,7 & 10. The precision level has been achieved for the monitoring parameter.
How the CME conducted sampling surveys (to obtain the project participants' or the coordinating/managing entities' records)?	The sampling survey conducted by CME was based on and baseline user survey /09 / with the end-users of biogas plants. The same was verified by VT through the onsite visit and review of copies of biogas user survey questionnaires /05/.
Sample Size and acceptance number determined by VT	CCIPL verified a total of 08 samples (1 sample from each CPA) from 800 samples (100 samples per CPA) to verify the project activity for the operational status of the stoves and 08 samples from 100 samples to verify the average annual consumption of woody biomass. The verification team determined the sample size for acceptance sampling by evaluating the following, using its own professional judgment and guidance in the Standard 'Sampling and surveys for CDM project activities and programme of activities' version 09.0 / B06 /: Considering Acceptable Quality Level (AQL): 0.5% Unacceptable Quality Level (UQL): 20% and producer risk of 10% and consumer risk of 20% a sample size of 08 was required as per Table 2 in the referred Standard / B06 /. Acceptance number (c) thus determined for the sample size is 0.
How the VVB could obtain records for verification?	The verification team was able to access the Biogas User Survey report/ 09 /. Sample households were interviewed by the VVB to confirm the results registered by the CME for the monitored sample.

Parameter: BC_{PJ,HH,y} (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.)
Whether the parameter is a numeric mean value or proportion?	Numeric mean value
Sample size calculated by CME /PP	CPA 1 – 34 CPA 2 – 39 CPA 3 – 21 CPA 4 – 25 CPA 5 – 28 CPA 6 – 34 CPA 7 – 34 CPA 10 – 54
Considered response rate	100%. CME was able to reach all the household as biogas plants are fixed installations.
Adjusted sample size after applying the considered response rate	100 – CPA 1, 2, 3, 4, 5,6,7 & 10.
If the parameter of interest is numeric mean value and the calculated sample size is less than 30 then whether Student's t-distribution has been applied or not?	Yes, t-distribution was applied by the CME to determine the sample size for the sample size calculated for CPA 1. The same was confirmed through the review of t-distribution calculation sheet /07/ and found acceptable by VT. The sample size thus calculated is 08 and thus the applied sample size is acceptable to the verification team. Thus, conditions in §14 of Standard: Sampling and surveys for CDM project activities and programmes of activities (version 09.0)/ B06 / are met.
Sample size after applying Student's t-distribution	CPA 1: 08
Sample size applied by PP for Baseline User Survey	100 (Minimum 30 required as per the §14 of the sampling standard, version 09/ B06 /. The calculated sample size is also met.) – CPA 1, 2, 3, 4, 5, 6,7 & 10.
No. of households sampled by the PP and whether minimum sample size as calculated has been achieved or not?	 100 (Minimum 30 required as per the §14 of the sampling standard, version 09/B06/. The calculated sample size is also met.) – CPA 1, 2, 3, 4, 5, 6,7 & 10. The applied sample size is more than the calculated sample size and thus the minimum sample size as calculated has been achieved. The applied confidence and precision level is 90/10 for CPA 1, 2, 3, 4,
precision level and whether the same have been met or not?	5, 6,7 & 10.
How the CME conducted sampling surveys (to obtain the project participants' or the coordinating/managing entities' records)?	The parameter is determined on the basis of Biogas User Surveys conducted by the representatives of CME and CPA implementers.
	CCIPL verified a total of 08 samples from 900 samples to verify the project activity for the operational status of the stoves and 08 samples from 900 samples to verify the average annual consumption of woody biomass.
Sample Size and acceptance number determined by VT	The verification team determined the sample size for acceptance sampling by evaluating the following, using its own professional judgment and guidance in the Standard 'Sampling and surveys for CDM project activities and programme of activities' version 09.0 / B06 /: Considering Acceptable Quality Level (AQL): 0.5% Unacceptable Quality Level (UQL): 20% and producer risk of 5% and consumer risk of 20% a sample size of 08 was required as per Table 2 in the referred Standard / B06 /. Acceptance number (c) thus determined for the sample size is 1.

How the VVB could obtain records for verification?	The verification team was available to access the Biogas User Survey report/ 09 /. Sample households were interviewed by the VVB to confirm the results registered by the CME for the monitored sample.
Assessment by VT whether the CME's/PP's set of records is acceptable or not	No discrepant records were observed with the published MR /02/, ER sheet /04/ and Baseline User Survey records /09 /. Thus, CME's set of records has been accepted in line with §33 of the Standard: Sampling and surveys for CDM project activities and programmes of activities (version 09.0) /B06 /.

Appendix 8. Assessment of Monitoring parameters monitored through sampling/surveys

SI. No	Checklist Questions	Assessment						
1.	VVBs the Monitoring Report apply sampling for determination of ex- post monitoring parameters?	Yes, there are ex-post monitoring parameters determined through the sampling effort.						
2.	Is the applied sampling plan in accordance with the sampling plan proposed in the registered PoA-DD/ PDD?	 In the monitoring plan under the section D.7.2 of the approved PoA-DD, approved CPA-DDs /B04/ mentioned the detailed sampling plan for the expost monitoring parameters. The CME has appropriately performed stratified Random Sampling procedure in line with the applied methodology and best suited for this type of project. The monitoring parameters monitored through the sampling plan are: a) Biogas performance - The share of operational biogas plants (By - Proportion parameter) b) Average annual consumption of woody biomass (BC_{PJ,HH,y} - Mean Value parameters) The required sample sizes were calculated prior to conducting the sample survey using the equations for stratified random sampling as per CDM requirements. As the approved PoA-DD, approved CPA-DDs /B04/ mentions the option for Stratified Random Sampling procedure, it is acceptable to the verification team. The monitoring sample was selected via random number generator for sampling/15/ in the BSP database/19/. 						
	List the parameters	with the sampling plan/approach mentioned in the approved revised PoA-DD, approved revised CPA-DDs /B04/. Parameters determined through sampling and respective parameters of						
	determined through sampling and	Interest are: Parameter Description of Parameter Parameter of						
	parameters of	By The share of operational biogas Proportion						
	interest.	BC _{PJ,HH,y} Average annual consumption of Mean						
3.	[In situations where monitoring is based on data recording once at the time of implementation particularly for distribution projects, where there are large/dispersed number of project technology, the VV	Parameters Date of commissioning of project device of type i and NCV _{biomass} are monitored once. The date of commissioning of project device was also checked through the BSP Database/19/. The value of the NCV _{biomass} is based on default available in the methodology AMS-I.E, version 09/B02/						

	team shall make the	
	confirmation to	
	assess its accuracy	
	during the onsite	
	verification through	
	document review	
	and where	
	applicable infough	
	acceptance	
	sampling.]	
	[The assessment of	
	implementation	
	status of distribution	
	projects or projects	
	having dispersed	
	and large number of	
	components, it is	
	pertinent that the VV	
	Team shall assess	
	that all physical	
	features	
	(technology, project	
	equipment. and	
	monitoring and	
	metering	
	equipment) of the	
	included	
	CPAS/projects as	
	specified in the	
	included CPA-	
	DDs/PDD in cases	
	where the	
	households/users	
	dropped out or	
	voluntarily leave the	
	project. In this	
	particular case, it is	
	important to assess	
	CME/PP's OA/OC	
	procedures with	
	regarde te bandling	
	of its detenses and	
	or its database and	
	where applicable	
	consider those	
	aropped out	
	technology as a part	
	of assessment of	
	sampling	
	requirements,	
	including	
	acceptance	
	sampling by VVB 1	
	Is the sample size	Yes, the sample size calculated is in accordance with the formula presented in
	calculated in	the approved revised PoA-DD/CPA-DDs
	accordance with the	(10 approved revised r on $-D/D/D$.
4.	formula presented in	
	tormula presented in	
	the registered PoA-	
	יטטא/טט?	
_	Are the assumptions	Stratified random sampling was applied. The sample size calculated for each
5.	used for calculation	CPA is provided below:
	of sample size	

Г

	appropriate and				CPA-	CPA-	CPA-	CPA-	СРА	СРА	СРА
	correct?		Particulars	CPA-1	2	3	4	5	-6	-7	-10
			Sample			-	-	-	-	-	
	P.S.: Provide		Calculated								
	assessment on		(Mean value								
	value of proportion		Parameters)	20	20	14	14	28	30	20	15
	(p). standard		Sample	20	20	14	14	20	50	20	15
	deviation (STDEV)		Calculated								
	or variance (v) used										
	for calculation of		(Proportion								
	sample size.		al								
			Parameters)	34	39	21	25	17	34	34	54
			Conservativ								
			e sample No	34	39	21	25	28	34	34	54
			Minimum								
			sample for								
			Terai	18	20	9	11	14	19	18	22
			Minimum								
			sample for								
			Hill	15	18	11	13	13	14	15	31
			Minimum								
			Sample for								
			Remote Hill	1	1	1	1	1	1	1	1
			Minimum	-	-	-	-	-	-	-	
			sample								
			sample								
				75	75	75	75	75	75	75	75
			IN POA-DD	/5	/5	/5	/5	/5	/5	/5	/5
			Sample								
			Taken for								
			the Survey	100	100	100	100	100	100	100	100
			Sample in								
			Terai	52	50	45	45	50	56	52	42
			Sample in								
			Hill	44	46	51	51	46	40	44	54
			Sample in								
			Remote Hill	4	4	4	4	4	4	4	4
		Т	he expected st	tandard o	deviatio	n, expe	cted me	ean and	l expec	ted pro	portion
		u	sed for calculat	ion of sar	mple siz	e is four	nd to be	approp	riate. A	ll assur	nptions
		fo	or the calculatio	on of sar	mple siz	ze were	used f	rom the	e previo	ous mo	nitoring
		р	eriod.								
			lease also refe	r to the e	ssecom	ent prov	ided in	noint 2	ahove		
	What are the sample	5	tratified randon	n samplir	nd was a	applied	The sar	mole siz	ze calci	lated fo	or each
	sizes obtained for	CPA is provided below:									
	the parameters										
	being monitored? Is				CPA-	CPA-	CPA-	CPA-	СРА	СРА	СРА
	the determined		Particulars	CPA-1	2	3	4	5	-6	-7	-10
	sample size deemed		Sample	· _					-		-
6.	adequate for the		Calculated								
	parameter of interest		(Mean value								
	being monitored?		Daramatara)	20	20	1.1	1 /	20	20	20	15
	P.S. If the sample		Farameters)	20	20	14	14	28	30	20	12
	size calculation		Sample								
	returns a value of		Calculated								
			(Proportion	34	39	21	25	17	34	34	54

less than 30 samples, a minimum sample size of 30 shall be chosen when the parameter of interest is a proportion. If the parameter of interest is a numeric mean value (i.e. not a proportion or percentage) the Student's tdistribution shall be used if the resulting sample size is less than 30.

While assessing the sampling effort by PP/CME the particularly the sample size, the VV Team shall make sure the reliability criteria (confidence level and precision) should be as per the requirement of the applied methodology. Only when there is no specific guidance in the applied methodology for the sampling requirements. the confidence/precisio n as stated in the sampling standards should be considered. Aa a rule of thumb it is to be always kept in mind that the sampling requirements in the applied shall methodology take precedence.] assumed the ls response rate reasonable

al								
Parameters)								
Conservativ								
e sample No	34	39	21	25	28	34	34	54
Minimum								
sample for								
Terai	18	20	9	11	14	19	18	22
Minimum								
sample for								
Hill	15	18	11	13	13	14	15	31
Minimum								
Sample for								
Remote Hill	1	1	1	1	1	1	1	1
Minimum								
sample								
stipulated								
in PoA-DD	75	75	75	75	75	75	75	75
Sample								
Taken for								
the Survey	100	100	100	100	100	100	100	100
Sample in								
Terai	52	50	45	45	50	56	52	42
Sample in								
Hill	44	46	51	51	46	40	44	54
Sample in								
Remote Hill	4	4	4	4	4	4	4	4

According to §14 of the Sampling Standard, version 09: "If the parameter of interest is a numeric mean value (i.e. not a proportion or percentage) the Student's t-distribution shall be used if the resulting sample size is less than 30."

Thus, t-distribution is applied by CME for the mean type parameter of CPA1 and the calculated sample size (08) was found to be less than the applied sample size.

As the actual sample size in all the cases was not less than either the calculated sample size or the minimum sample size as per the PoA-DD/CPA-DDs/B04/, the sample size covered by the CME was accepted.

Yes, the assumed response rate is deemed reasonable (appropriate and correct) for the determination of samples to be surveyed for each of the parameter of interest. (appropriate and correct) the for determination of samples to be surveyed? sample Yes, the verification team, based on evidence for random number generator ls the selected by PP for /15/ as provided by the CME, confirms that sample selected by the CME for determination of the determination of the monitored parameters are random. It can be considered monitored as representative of the population.

parameters

7.

8.

	and representative?	
	Has minimum target	The precision determined based on the survey results is provided below:
	level of precision	
09.	been achieved	The precision level for the parameters is thus met in accordance with the PoA-
	based on estimates	DD/B04/ and CPA-DDs/B04/ and the applied methodology, AMS-I.E, version
	samples?	09.
	In case the minimum	The minimum target level of precision been achieved based on estimates from
	target level of	the actual samples for all the parameters.
	precision has not	
	been achieved	
	from the actual	
	samples, please	
	specify the approach	
	adopted by PP to	
	reach the required	
	iustify the	
10.	appropriateness of	
	the adopted	
	approach in	
	accordance with the	
	methodology or	
	paragraph 18 of	
	Sampling and	
	surveys for CDM	
	project activities and	
	activities (Version	
	09.0).	
	Has VT applied	CCIPL has considered §30 and §31 of "Standard for Sampling and surveys for
	sampling to verify	determining the sampling size to be visited by VVB /B04/. In case of the current
	that the results of	validation & verification, the estimated emission reduction is 401,770 tCO ₂ e,
	sampling efforts	the verification team determined the sample size for acceptance sampling by
	undertaken by PP	evaluating the following, using its own professional judgment and guidance in
	for determination of	of activities' version 09.0 / B06 /: Considering Acceptable Quality Level (AQL):
	If ves, please	0.5% Unacceptable Quality Level (UQL): 20% and producer risk of 10% and
	provide a detailed	consumer risk of 10% a sample size of 08 was required as per Table 2 in the
	justification of the	referred Standard /B06/. Acceptance number (c) thus determined for the
	approacn adopted	sample size is 0. CCIPL verified a total of 08 samples from 800 samples to verify the project activity for the operational status of the stoves and 08
	information on (but	samples from 800 samples to verify the average annual consumption of woody
11	not limited to):	biomass. The biogas details (unique serial number, date of installation, name
11.	(a) Selected	of user and address) were also checked and found to be consistent with that
	AQL Level	reported in the project database. No inconsistency was observed for any of the
		reported in the Biogas user Survey Reports/03/
	(c) Selected	
	Consumer	
	Risk Level	
	(a) Selected Producer	
	Risk Level	
	(e) Sample	
	Size chosen	
	tor	
	sampling	

	(f) Acceptance	
	number (c)	
	A	
	Approach adopted	
	value of greater than	
	c discrepant records	
	were observed in the	
	sample	
	Are the procedures	Verification team based on the onsite visit and review of documented
	for the selected	procedure confirms that the selected survey and data collection method is
	survey and data	unambiguously defined. This also adequately ensure minimizing non-sampling
10	collection method	errors.
12.	unambiguously	
	defined and do they	
	for minimizing non-	
	sampling errors?	
	Have potential	Review of sampling records, documented procedure and onsite visit with the
	sources of bias	personnel involved in conducting the Surveys VVBs not any reveal sources of
	inherent in the	bias inherent in the selected data collection.
	selected data	
	collection method,	
13.	such as self-	
	selection and under-	
	anticipated? Have	
	mechanisms for	
	mitigating these	
	been considered?	
	Is the quality control	Verification team based on review of provided supporting documents and
14.	and assurance	onsite visit interviews confirms that the quality control and assurance strategy
	strategy adequate?	Is adequate.
	skill sets	personnel. The training records/09/ were checked by the verification team
	qualifications and	Furthermore, the personnel were also interviewed during the onsite visit.
	experience of the	Through the interview of the personnel responsible for monitoring surveys, it
15	personnel/institution	was ascertained that the personnel are competent to carry out the surveys.
10.	s engaged to	
	conduct the	
	standardized	mence, the VI concludes that skill sets, qualifications and experience of the
	exercise adequate?	adequate
	VVBs the PP have a	Verification team based on review of provided supporting documents and audit
	process in place to	interviews confirms the following:
	ensure data quality	-
	is maintained to a	\checkmark the personnel involved in the surveys are trained and experienced.
	high standard? This	\checkmark there exists a standardized system for data entry and analysis to
	snoula include:	produce final result.
	aj rite ille nersonnel	\checkmark there exists a system or process in place to minimize the introduction
	trained and	of errors.
16	experienced	✓ there is a system in place to ensure all collected data is processed.
10.	?	✓ there exists a quality check of data entered.
	b) What is the	
	level of	
	supervision	
	quidance	
	provided to	
	staff?	
	c) Is there a	
	standardize	
		a system for
---	-----	------------------------
		data entry
		and analysis
		to produce
		final result?
	d)	ls there a
	,	system or
		process in
		place to
		, minimize
		the
		introduction
		of errors?
	e)	ls there a
		system in
		place to
		ensure all
		collected
l		data is
l		processed;
l	f)	Are quality
1	- /	checks
		performed
l		on data
1		entered for
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	a)	inconsisten
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l		integrity, for
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l		methods to
I		prevent
I		traud and
1		accidental
1		deletion?

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Document information

Version	Date	Description			
04.0	6 April 2021	Revision to:			
		 Reflect the "Clarification: Regulatory requirements under temporary measures for post-2020 cases" (CDM-EB109- A01-CLAR). 			
03.0	31 May 2019	Revision to:			
		 Ensure consistency with version 02.0 of the "CDM validation and verification standard for programmes of activities" (CDM-EB93-A08-STAN); 			
		Make structural and editorial improvements.			
02.0	29 December 2017	Revision to align with the requirements of the "CDM validation and verification standard for programme of activities" (version 01.0).			
01.0	5 June 2015	Initial publication.			
Decision Class: Regulatory Document Type: Form Business Function: Issuance Keywords: programme of activities, verifying and certifying					