

### Verification and certification report form for CDM programme of activities

#### (version 01.0)

Complete this form in accordance with the "Attachment. Instructions for filling out the verification and certification report form for CDM programme of activities" at the end of this form.

| VERIFICATION AN  | D CERTIFICATION REPOR  | т  |  |  |
|--|--|--|--|--|
| Title of the programme of activities   | Proyecto Mirador Enhanced Distribution of Improved<br>Cookstoves in Latin America  |  |  |  |
| (PoA)  | VPA: "Proyecto Mirador Enhanced Distribution of<br>Improved Cookstoves in Latin America: First VPA for<br>Distribution of Dos por Tres Cookstoves in Honduras" |  |  |  |
| GS reference number of the PoA   | GS 1988, VPA: GS2758   |  |  |  |
| Earthood reference number  | GS.VER.18.19   |  |  |  |
| Version number(s) of the PoA-DD(s) applicable to this report   | Version 6.0 dated 25 <sup>th</sup> Marc<br>VPA –DD Version 6 dated   |  |  |  |
| Version number of the verification and certification report  | Version 2.2  |  |  |  |
| Completion date of the verification and certification report   | 17/06/2019   |  |  |  |
| Monitoring period number   | 09   |  |  |  |
| Duration of this monitoring period   | 01/12/2017 – 30/11/2018 (inclusive of both days)   |  |  |  |
| Number and version number of the monitoring report to which this report applies  | Monitoring Report dated 16/05/2019 (version 6)   |  |  |  |
| Coordinating/managing entity (CME)   | Proyecto Mirador Foundation  |  |  |  |
| Host Party(ies)  | Host Party(ies) of the PoA   | Is this a host Party to a CPA<br>covered in this report?<br>(yes/no) |  |  |
| 0  | Honduras   | Yes  |  |  |
| Sectoral scope(s)  | Sectoral scope 3   |  |  |  |
|  | Technologies and Practices<br>Thermal Energy Consumpt  |  |  |  |
| Selected methodology(ies)  | Gold Standard for Global G<br>Version 1 dated September  |  |  |  |
| Selected standardized baseline(s)  | Not Applicable   |  |  |  |
| Total estimated GHG emission<br>reductions or net GHG removals for this<br>monitoring period in the included<br>CPA(s) covered in this report  | 426,606 tCO <sub>2</sub> e   |  |  |  |
| Total certified GHG emission reductions<br>or net GHG removals for this monitoring<br>period for the included CPA(s) covered<br>in this report |  |  |  |  |
|  |  |  |  |  |

Name, position and signature of the approver of the verification and certification report

S Λ

Kaviraj Singh Managing Director

#### **SECTION A. Executive summary**

#### Description of PoA and specific case VPA

The programme of activities titled "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America" by Project Participant utilizes carbon finance to support the dissemination of improved cookstoves that address the problems of deforestation, indoor air quality, global warming and slow economic development.

VPA titled "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America – First VPA for Distribution of Dos por Tres Cookstoves in Honduras" includes dissemination of highly efficient Cookstoves.

The project reduces carbon emissions by providing efficient cookstoves, which help in burning the fuel efficiently and completely. Also, it reduces soot and black carbon found in products of incomplete combustion thereby improving the environmental and health condition of the user as well. The project will lead to reduction in respiratory illness caused by inhalation of toxic smoke and will help in reducing indoor air pollution.

Proyecto Mirador Foundation has contracted Earthood Services Private Limited (Earthood) to conduct the verification and certification of emission reductions reported for the GS VPA- "First VPA for Distribution of Dos por Tres Cookstoves in Honduras" under the GS registered PoA 1988 "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America" in Honduras for the period 01/12/2017 - 30/11/2018. This report contains the findings of the verification process and a certification statement for the certified emission reductions. The verification is the periodic independent review and *ex post* determination by Earthood of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period. Certification is the written assurance by Earthood that, during a specific period in time, a project activity achieved the verifiable emission reductions.

The objective of this verification was to verify and certify emission reductions reported for the "First VPA for Distribution of Dos por Tres Cookstoves in Honduras" for the period 01/12/2017 - 30/11/2018.

#### Scope of Verification

The verification is an independent and objective review determination of the monitored reductions in GHG emissions and improvement in sustainability parameters by the DOE. The verification includes the implementation and operation of the PoA as set out in the registered PoA-DD & it's VPA-DD for the VPA in the monitoring period. The verification tests the data and assertions set out in the monitoring report based on the following:

The verification tests the data and assertions set out in the monitoring report prepared for this monitoring period by the CMEs and the review of VPA towards physical implementation of the project and it is based on the following:

- (i) The approved methodology "Technologies and Practices to Displace Decentralized Thermal Energy Consumption (TPDDTEC), Version 2.0"
- (ii) "Gold Standard for Global Goals Transition Annexure", version 1, dated September 2019
- (iii) The registered PoA-DD & registered VPA-DDs and monitoring plan
- (iv) GS Passport for PoA and VPA
- (v) GS4GG Transition Annexure (approved) dated 15<sup>th</sup> March 2019
- (vi) UNFCCC criteria referred to in the Kyoto Protocol criteria and the CDM modalities and procedures as agreed in the Bonn Agreement and the Marrakech Accords
- (vii) GS for GG requirements
- (viii) The CDM Validation and Verification Standard (VVS) version 2.0
- (ix) The CDM Project Standard (PS) version 2.0 and Project Cycle Procedure (PCP) version 2.0
- (x) Relevant decisions, guidance and clarifications of the CMP and CDM Executive Board and any other information and references relevant to the project activity's reported emission reductions
- (xi) GS review of previous verification

The verification has considered both quantitative and qualitative aspects on stated/reported emission reductions. The monitoring report (all versions) and corresponding supporting documentation was assessed in accordance with the rules defined by UNFCCC and GS for GG, as appropriate to the PoA. The verification is not meant to provide any consulting or recommendations to the CME/others. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the monitoring activities.

#### **Verification Process:**

The verification process is conducted as per internal GS Requirements, which includes the following steps;

- a) Contract with CME and appointment of verification team and technical review team (refer Section B.1 and B.2 of this report)
- b) Uploading the GS Workplan on GS registry
- c) Desk review (refer Section D.1 of this report) of Monitoring Report and corresponding ER sheet by verification team and planning of onsite audit (including sampling approach (refer Section D.4 of this report) to be applied)
- d) On site audit (refer Section D.2 of this report) (physical implementation and interview with relevant stakeholders) by verification team consistent of Team Leader and all Technical Experts, as a minimum
- e) Follow up activities e.g., interviews (refer Section D.3 of this report)
- Reporting and closure of findings (CARs/CLs/FARs) and preparation of draft verification report (refer Section D.5 of this report)
- g) Independent technical review (refer Section B.2 of this report) of the draft verification report and final/revised documentation (e.g., Monitoring Report, corresponding ER sheet and evidences)
- h) Reporting and closure of TR comments/findings (refer Section D.5 of this report) (CARs/CLs/FARs) and final approval for the decision made (refer Section G and H of this report).
- i) Issuance of final verification report to contracted CME (or authorized representatives) and submission of request for issuance, as appropriate.

#### Verification Conclusion:

Based on the outcome of the verification process of the PoA "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America" and its VPA01 "Distribution Of Dos Por Tres Cookstoves In Honduras" for the monitoring period 01/12/2017 – 30/11/2018 (including both dates) we confirm that the implementation of referenced registered PoA and its VPA is complying with applicable CDM and GS rules and regulations as stated in the Monitoring Report (final) Version 5.0, dated 16/05/2019. The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology "Technologies and Practices to Displace Decentralized Thermal Energy Consumption (TPDDTEC), Version 2.0" and the monitoring plan contained in the registered PoA-DD/1/ and VPA-DD/2/ and "Gold Standard for Global Goals Transition Annexure", version 1, dated September 2019.

Earthood Services Private Limited is able to certify that the emission reductions from the registered PoA (GS 1988) "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America" and its VPA "Distribution of Dos Por Tres Cookstoves In Honduras" for the monitoring period 01/12/2017 – 30/11/2018 (including both dates) amount to 311,998tCO<sub>2</sub>e. Therefore, this is being submitted for request for issuance, as per Gold standard and UNFCCC procedures.

#### SECTION B. Verification team, technical reviewer and approver

| No. | Role                       | Last name | First name | Affiliation  | Invo        | Involvement in     |              |                       |
|-----|----------------------------|-----------|------------|--|-------------|--------------------|--------------|-----------------------|
|     |                            |           |            | (e.g. name of<br>central or other<br>office of DOE or<br>outsourced<br>entity) | Desk review | On-site inspection | Interview(s) | Verification findings |
| 1.  | Team Leader                | Garg      | Shreya     | Central Office   | Y           | Ν                  | Ν            | Ý                     |
| 2.  | Verifier & Local<br>Expert | Yadav     | Siddharth  | Central Office   | Y           | Y                  | Y            | Y                     |
| 3.  | Technical<br>Expert        | Gautam    | Ashok      | Central Office   | Y           | Ν                  | Ν            | Y                     |

#### B.1. Verification team members

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

| No. | Role               | Type of  | Last name | First name | Affiliation        |
|-----|--------------------|----------|-----------|------------|--------------------|
|     |                    | resource |           |            | (e.g. name of      |
|     |                    |          |           |            | central or other   |
|     |                    |          |           |            | office of DOE or   |
|     |                    |          |           |            | outsourced entity) |
| 1.  | Technical reviewer | IR       | Singh     | Kaviraj    | Central Office     |
| 2.  | Technical expert   | IR       | Kumar     | Sanjeev    | Central Office     |
| 3.  | Approver           | IR       | Singh     | Kaviraj    | Central Office     |

#### 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<br>or misstatements                                       | Risk<br>level | Justification  | verification plan and/or<br>sampling plan   |
| 1.  | Inconsistency between<br>CME's result and DOE's<br>observation during<br>inspection. | Low           | Considering DOE's<br>observation are cross-<br>check of CME's result,<br>which were actually<br>monitored by CME, there<br>are usually less chances of<br>error. | If the aggregated materiality<br>threshold stays within the<br>prescribed materiality<br>threshold, no additional effort is<br>required. However, if<br>aggregated materiality<br>threshold is above the<br>prescribed threshold,<br>additional samples are to be<br>inspected. If additional<br>sampling is not able to reduce<br>the materiality threshold to<br>reasonable level of assurance,<br>the monitoring result by the<br>CME for that parameter are to<br>be discarded. |

#### C.2. Consideration of materiality in conducting the verification

>> In accordance with CDM VVS for PoAs, Version 02.0 para 308 the prescribed thresholds for materiality for CDM PoAs are as under;

| Type of PoA                         | PoAs comprising large-scale CPAs |                       |                    | PoAs<br>comprising        | PoAs<br>comprising        |
|-------------------------------------|----------------------------------|-----------------------|--------------------|---------------------------|---------------------------|
| Emission Reductions<br>(tCO2e)/year | 500,000 or<br>more               | 300,001 to<br>499,999 | 300,000 or<br>less | only small-<br>scale CPAs | only micro-<br>scale CPAs |
| Materiality Threshold (para 308)    | 0.5%                             | 1.0%                  | 2.0%               | 5.0%                      | 10.0%                     |

The applicable materiality threshold is 5% as PoA comprises only small-scale CPAs.

| Particulars / Monitoring Report   | MR Version (Revised/Final) |
|---|----------------------------|
| Emission Reductions Achieved (tCO2e) in this monitoring period            | 311,998tCO <sub>2</sub> e  |
| Applicable Threshold (%) as per para 308 of CDM VVS for PoAs Version 01.0 | 5.0%                       |

The verification team has identified the impact of minor errors observed and those were corrected by PP during verification for all monitoring parameter at individual level.

#### **SECTION D.** Means of verification

#### D.1. Desk review

Earthood conducted a desk review as under;

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan, the monitoring methodology including applicable tool(s) and, where applicable, the applied standardized baseline, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;
- A review of calculations and assumptions made in determining the GHG data and emission reductions;
- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions;

The list of documents reviewed during the verification is provided under appendix 3 of this report.

### D.2. On-site inspection

|     | Duration of on-site inspection: 03/12/2018 to 06/12/2018   |   |            |                 |  |  |  |
|-----|--|---|------------|-----------------|--|--|--|
| No. | Activity performed on-site   | Site location                                 | Date       | Team member     |  |  |  |
| 1.  | <b>Opening Meeting:</b> Introduction, scope<br>and objective of work, roles and<br>responsibilities of audit team, resources<br>required, and timetable of the onsite audit<br>including venue for closing meeting and<br>any concerns from PP | Santa Barbara                                 | 03/12/2018 | Siddharth Yadav |  |  |  |
| 2.  | Site visit involving on-site sampling of the<br>technology distribution and VPA<br>implementation. Local Stakeholder<br>especially end users interview and<br>feedbacks  | Various<br>locations                          | 04/12/2018 | Siddharth Yadav |  |  |  |
| 3.  | Physical sampling of the technology<br>distribution and VPA implementation &<br>Local Stakeholder especially end users<br>interview and, feedbacks   | Various<br>locations                          | 04/12/2018 | Siddharth Yadav |  |  |  |
| 4.  | Management and monitoring procedures followed at project site.   | Various<br>locations, Santa<br>Barbara Office | 04/12/2018 | Siddharth Yadav |  |  |  |
| 5.  | Site visit<br>Management and operational system:<br>Documentation, allocation of<br>responsibilities, qualification and training,<br>data recording & archiving, internal audit<br>and management review and emergency<br>procedures.          | Santa Barbara<br>Office                       | 05/12/2018 | Siddharth Yadav |  |  |  |
| 6.  | Verification checklist: compliance of<br>monitoring procedures followed at project<br>site with registered PoA-DD and<br>monitoring methodology.   | Santa Barbara<br>Office                       | 05/12/2018 | Siddharth Yadav |  |  |  |
| 7.  | Review of monitored data and relevant<br>document in accordance with registered<br>monitoring plan and applied monitoring<br>methodology.  | Santa Barbara<br>Office                       | 05/12/2018 | Siddharth Yadav |  |  |  |
| 8.  | Interviews with other stakeholders like suppliers and employees involved in PoA.   | Santa Barbara<br>Office                       | 06/12/2018 | Siddharth Yadav |  |  |  |
| 9.  | Compilation of the findings by Auditor/s (CARs/CLs)  | Santa Barbara<br>Office                       | 06/12/2018 | Siddharth Yadav |  |  |  |
| 10. | <b>Closing Meeting:</b> Submission of the audit findings to the client and agreement on the issues raised and timelines.   | Santa Barbara<br>Office                       | 06/12/2018 | Siddharth Yadav |  |  |  |

#### D.3. Interviews

#### D.3.1. Interview with PP/CME/CPA Implementers

Interviews were conducted during site visits included the households that have been using the Dos por Tres stoves and the personnel engaged by Proyecto Mirador foundation. Interviews revealed that the all the people involved with the project are well versed with monitoring plan and implementation of the project including the QA/QC procedures.

#### Project staff interviewed:

| Name               | Affiliation  | Date                  | Subject   |
|--------------------|--|-----------------------|---|
| Esther Adams       | Proyecto Mirador<br>Program Manager                    | 03/12/2018-06/12/2018 | Project monitoring and<br>reporting, leakage, ER<br>Calculations, Salesforce<br>data management system      |
| Elder Mendoza      | Proyecto Mirador<br>Director of Operations 04/12/2018  |                       | Surveys, general<br>execution, training of<br>personnel, quality<br>assurance and quality<br>control issues |
| Emilia Mendoza     | Emilia Mendoza Proyecto Mirador<br>Director (Honduras) |                       | General execution, quality assurance and quality control issues   |
| Roy Lara           | Roy Lara Proyecto Mirador Asst.<br>to Dir. of Ops.     |                       | Training the personnel,<br>Evaluation of personnel<br>Transportation records                                |
| Jessica Vasquez    | Proyecto Mirador<br>Marketing Manager                  | 04/12/2018            | Surveys, Salesforce data management system  |
| Reniery Rodriguez  | Proyecto Mirador<br>Manager of I.T.                    | 04/12/2018-06/12/2018 | IT infrastructure, Surveys,<br>Salesforce data<br>management system   |
| Juan Carlos Guzman | Proyecto Mirador Dir. of<br>Supervision                | 05/12/2018-06/12/2018 | Training of the personnel Surveys, general execution  |
| Martin Avilez      | Proyecto Mirador Human<br>HR                           | 06/12/2018            | Personnel; quantitative<br>Employment   |

#### D.3.2. Type of questions asked by Team member

The households were asked the following questions;

- Usage and functionality of Dos por Tres stove
- Whether any other type of stove is installed and if yes, its hours of operation
- Physical condition of chimney, mouth piece, or if any changes were made by the households after its installation that could effect the stove efficiency
- Hours of usage
- If there were electric or gas stoves being used along with the usage of the Dos por Tres
- Users were also asked about how has the family benefitted from the installation of the Dos por Tres stove, for example: reduction in smoke or indoor air pollution, efficient cooking, reduction in time spent for collection of firewood and the quantity of the firewood collected

As mentioned above, during the site visit, the verification team checked if another type of stove is installed. Information about the type of stove/product type (make) was checked and mentioned in the survey forms used during the site visit.

Some of the stove users were found to be using other gas or electric stoves for roasting coffee beans or prepare coffee, but the usage varied from 10 minutes to 30 minutes each day.

It was noticed during the onsite visit that many of the stoves which are more than 3 years old have been repaired, mostly damaged chimneys have been replaced. This has resulted in lowering of the drop-off rates as compared to the previous year.

#### D.4. Sampling approach

The assessment team has followed a simple random sampling approach for verification purposes. Sampling was done across the PoA in a random manner, but considering the principles of proportional representation and keeping in line with "Standard for Sampling and surveys for CDM project activities and programmes of activities, Version 7.0". The list of households selected for random surveys including the names and government IDs of the owners is available with DOE on request /23/.

159 households (end users) were randomly selected from different age groups and surveyed during the site visit. Of these 159 households, 31 households were also found to exist in Proyecto Mirador's survey database.

| Age Group | Surveyed | Abandoned |
|-----------|----------|-----------|
| 1         | 25       | 0         |
| 2         | 25       | 1         |
| 3         | 28       | 3         |
| 4         | 25       | 4         |
| 5         | 29       | 3         |
| 6         | 27       | 6         |
| Total     | 159      |           |

The details are as below:

17 stoves out of 159 sampled were found to be non-operational during the site visit, two if these were considered abandoned as they were built outside the main house while two others has their chimneys and mouth piece broken. The drop off rate per age group is further discussed under parameter 'ID 8 / Up,y : Abandonment (drop-off) rate (the number of stoves that have fallen out of use in a given age group) expressed as % of households'

The status of the stove installed in each house was checked vis a vis the data available from salesforce.com. The location of the households, and the government IDs were also checked against the data reported. Information outlined in section D.3.2 above was checked for these households.

The IDs of the households visited, their locations and the surveys are available on request.

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

| Areas of verification findings                          | No. of CL | No. of CAR | No. of<br>FAR |
|---|-----------|------------|---------------|
| General   | -         | -          | -             |
| Compliance of the monitoring report with the monitoring | -         | -          | -             |
| report form   |           |            |               |
| Remaining forward action requests from validation       | -         | -          | -             |
| and/or previous verification                            |           |            |               |
| Specific-case CPA(s) 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                               | -         | -          | -             |

|   |          | CDM-POA-VCR | -FORM |
|---|----------|-------------|-------|
| Temporary deviations from the registered  | -        | -           | -     |
| monitoring plan, monitoring methodology or  |          |             |       |
| standardized baseline   |          |             |       |
| Corrections   | -        | -           | -     |
| Inclusion of a monitoring plan in a registered  | -        | -           | -     |
| PoA-DD (including its generic CPA-DD(s))  |          |             |       |
| Permanent changes to the monitoring plan as   | -        | -           | -     |
| described in the registered PoA-DD, applied   |          |             |       |
| methodology, or applied standardized baseline   |          |             |       |
| Changes to the programme design of the  | -        | -           | -     |
| registered PoA-DD (including corresponding  |          |             |       |
| changes to project design of the generic CPA-   |          |             |       |
| DD(s)) and updates to the eligibility criteria for  |          |             |       |
| inclusion of specific-case CPAs in the PoA  |          |             |       |
| <ul> <li>Types of changes specific to afforestation and</li> </ul>  | -        | -           | -     |
| reforestation activities  |          |             |       |
| Component project activity(ies)   | -        | -           | -     |
| Compliance of the CPA implementation with the   | -        | -           | -     |
| included CPA design document  |          |             |       |
| Post-registration changes   | -        | -           | -     |
| Temporary deviations from registered  | -        | -           | -     |
| monitoring plan, applied methodology or applied   |          |             |       |
| standardized baseline   |          |             |       |
| Corrections   | -        | -           | -     |
| Changes to the start date of the crediting period   | -        | -           | -     |
| <ul> <li>Inclusion of a monitoring plan to an included</li> </ul>   | -        | -           | -     |
| CPA-DD  |          |             |       |
| Permanent changes to the monitoring plan as   | -        | -           | -     |
| described in the included CPA-DD, applied   |          |             |       |
| methodology, or applied standardized baseline   |          |             |       |
| Changes to the programme design of the  | -        | -           | -     |
| included CPA-DD   | -        |             | -     |
| <ul> <li>Types of changes specific to afforestation and reforestation component project activities</li> </ul>       | -        | -           | -     |
| Compliance of the monitoring plan with the monitoring   | -        | -           | FAR5  |
| methodology including applicable tool and standardized  | -        | -           | FARS  |
| baseline  |          |             |       |
| 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   |          |             | -     |
|   | CL1      | -           |       |
|   |          |             |       |
| 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   |          |             |       |
| Calculation of project GHG emissions or actual net  | CL2, CL3 |             | -     |
| GHG removals by sinks   |          |             |       |
|   |          |             |       |
|   |          |             |       |
|   |          |             |       |
| Calculation of leakage CHC emissions  | CL4      | -           | †     |
| <ul> <li>Calculation of leakage GHG emissions</li> <li>Summary of calculation of GHG emission reductions</li> </ul> |          | <br> -      |       |
| <ul> <li>Summary of calculation of GHG emission reductions<br/>or net GHG removals by sinks</li> </ul>              |          |             | _     |
|   |          |             | I     |

| Comparison of actual GHG emission reductions or<br>net GHG removals by sinks with estimates in<br>included specific-case CPA | - | - | - |
|--|---|---|---|
| Remarks on difference from estimated value in<br>registered VPA-DD   | - | - | - |
| Others (please specify)  | - | - | - |
| Total  | 4 | 0 | 1 |

#### SECTION E. Verification findings -

#### E.1. General

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

| Means of verification | The template used for MR is GS4GG Version 1, dated June 2017, which has been released by Gold Standard for Global Goals for the reporting of monitored data of VPAs under same PoA for GS. |
|-----------------------|--|
| Findings              | None   |
| Conclusion            | The monitoring report template is appropriate for program of activities. The sections were filled in according to the guidelines.  |

#### E.1.2. Remaining forward action requests from validation and/or previous verification

As verified through the review of the Verification report for 8<sup>th</sup> Monitoring period (1<sup>st</sup> December 2016 to 30<sup>th</sup> November 2017) no forward action requests were issued.

The project developers have continued to check the following through the regular Maintenance Surveys (compiled through Salesforce.com). The questions are included in these surveys in order to avoid double counting:

- Is there another improved cook stove in the home?
- Who installed the other ICS?
- Is the other ICS in use?
- Was the other ICS installed before the Dos por Tres?
- (If applicable) When did they stop using the other ICS?

#### E.1.3. Specific-case CPA(s) considered for verification and covered in this report

Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America – Renewed VPA for Distribution of Dos por Tres Cookstoves in Honduras (Version 06, dated 25 March, 2016)

#### E.2. Verification findings – Programme of activities

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

| Means of verification | The programme implementation was checked by assessment team through onsite           |
|-----------------------|--|
|                       | visit. The verification team conducted site visits for a total of 159 households     |
|                       |  |
|                       | across the VPAs to examine if the implementation of programme is as per the          |
|                       | description provided in registered PoA-DD/1/. The end users were surveyed based      |
|                       | on the installation, functioning, maintenance and utility of the cook stove to them. |
|                       | The salesforce software usage and the unique information of each sample as per       |
|                       | the records maintained by CME was also cross-checked onsite. There were some         |
|                       | repairs done on a few stoves during this monitoring period. As observed onsite and   |
|                       | validated by interviews, these repairs have resulted in better maintenance and       |
|                       | durability of the stoves. Some of the stoves were out of usage due to construction   |
|                       | while a few were also found to be drop off damaged i.e broken mouthpiece. These      |
|                       | issues are addressed satisfactorily in the rates.                                    |
|                       | No major issues in terms of stove design or project implementation were found.       |
|                       | Grievance Mechanism:   |

|            | During the site visits it was checked that the households which have installed the efficient stoves are visited by the supervisors and the household feedback is recorded/24/. In general, the grievances are related to the problems faced by the stove users for example- replacement of chimney etc. or about the functionality of stove, its benefits and criticism i.e the stove takes time to heat up as compared to an electric or gas stove. None of the concerns were of extreme nature and resolvable. The log is maintained electronically at the project office was, reviewed and an export of the stakeholder feedback log was obtained (VP9-15 Stakeholder Comment Log.xlsx). |
|------------|---|
| Findings   | None  |
| Conclusion | The implementation of the programme was found to be in compliance with the description provided in the registered PoA and VPA-DDs. The unique information of each cook stove sample was found to be consistent on sales force and onsite concluding that the data management system is working efficiently and in compliance with the system mentioned in registered VPA-DD/2/.   |

#### E.2.2. Implementation and operation of the management system

| Means of verification | The implementation and operation of management system was verified through<br>onsite visit which included interaction with end-users and key staff members from<br>Proyecto Mirador Foundation. As observed in each household, cookstoves bear a<br>unique serial number which had been recorded in the PE's records on salesforce<br>software/8/. Along with the stove model, serial number, name, address, installation<br>date, contact number etc. had also been noted which were found to be consistent<br>on ground.<br>Trainings were provided to the staff and users of cook stove which could be verified<br>through training records and photographs/14/. |
|-----------------------|---|
| Findings              | None  |
| Conclusion            | The assessment team, with the help of onsite verification and document review that implementation and operation of the management system is as per the registered PoA-DD.   |

#### E.2.3. Post-registration changes

E.2.3.1. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

Not applicable

#### E.2.3.2. Corrections

Not applicable

E.2.3.3. Inclusion of a monitoring plan in a registered PoA-DD (including its generic CPA-DD(s))

Not applicable

E.2.3.4. Permanent changes to the monitoring plan as described in the registered PoA-DD, applied methodology, or applied standardized baseline

Not applicable

E.2.3.5. Changes to the programme design of the registered PoA-DD (including corresponding changes to project design of the generic CPA-DD(s)) and updates to the eligibility criteria for inclusion of specific-case CPAs in the PoA

Not applicable

E.2.3.6. Types of changes specific to afforestation and reforestation activities N/A.

#### E.3. Verification findings – Component project activity(ies)

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

| Means of verification | The programme implementation was checked by assessment team through onsite visit. A total of 159 samples were visited across VPA to examine if the implementation of programme is as per the description provided in registered PoA-DD/1/. The end users were surveyed based on the installation, functioning, maintenance and utility of the cook stove to them. The unique information of each user as per the records maintained by CME was also cross-checked onsite through random sampling procedure. |
|-----------------------|---|
| Findings              | CL1 was raised and resolved.  |
| Conclusion            | The implementation of the programme was found to be in compliance with the description provided in the registered PoA-DD/1/ and VPA DD/2/. The unique information of each cookstove sample was found to be consistent onsite concluding that the data management system is working efficiently and in compliance with the system mentioned in registered design documents (PoA DD and CPA DD).  |

#### E.3.2. Post-registration changes

# E.3.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline

Not applicable

#### E.3.2.2. Corrections

The project documentation has been updated to account for the UN Sustainable Development Goals, and a corresponding transition document was approved by the Gold Standard on 15 March 2019. There has been no change in the original parameters, which were validated and registered earlier except for the added text, to reflect updating of the corresponding UN Sustainable Development Goals applicable to this project.

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

Not applicable

#### E.3.2.4. Inclusion of a monitoring plan to an included CPA-DD

Not applicable

E.3.2.5. Permanent changes to the registered monitoring plan or permanent deviation of monitoring from the applied methodology, standardized baseline, or other applied standards or tools

Not applicable

#### E.3.2.6. Changes to the programme design or project design

Not applicable

# E.3.2.7. Types of changes specific to afforestation and reforestation component project activities

Not applicable

# E.3.3. Compliance of monitoring plan with the monitoring methodology including applicable tool and standardized baseline

| Means of<br>verification | The monitoring plan has been registered in PoA-DD and VPA-DD at the time of validation. However, the monitoring plan was cross-checked with the applied methodology/10/ and found to be in compliance. No standardized baseline was applied as per the registered PoA-DD. |
|--------------------------|---|
| Findings                 | None  |

| Conclusion | The mon   | itoring | plan | was | found | to | be | in | compliance | with | the | monitoring |
|------------|-----------|---------|------|-----|-------|----|----|----|------------|------|-----|------------|
|            | methodolo | )/10/   |      |     |       |    |    |    |            |      |     |            |

#### 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

#### ID 1/ EFfuel, CO<sub>2</sub> : CO<sub>2</sub> emission factor of the fuel that is reduced

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missions persons and directly affected persons attributed to disasters per 100,000 population</li> </ul>                        |
|---------------------------|--|
| Means of verification     | The value for this parameter is 112 tCO <sub>2</sub> /TJ, which was sourced from 2006 IPCC Guidelines for National Greenhouse Gas Inventories 2.1, Volume 2: Energy/25/                        |
| Findings                  | None   |
| Conclusion                | The value mentioned in the Monitoring Report /6/ and Emission Reduction Spreadsheet /7/ are consistent with the registered PoA DD/1/ and VPA DD/2/, The applied value is correct and justified |

#### ID 2/ EFfuel,nonCO<sub>2</sub>,CH<sub>4</sub> : CH<sub>4</sub> emission factor for the fuel that is reduce

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missions persons and directly affected persons attributed to disasters per 100,000 population</li> </ul>                        |
|---------------------------|--|
| Means of                  | The value for this parameter is 0.30 tCO <sub>2</sub> /TJ which was sourced from 2006 IPCC   |
| verification              | Guidelines for National Greenhouse Gas Inventories 2.1, Volume 2: Energy/25/   |
| Findings                  | None   |
| Conclusion                | The value mentioned in the Monitoring Report /6/ and Emission Reduction Spreadsheet /7/ are consistent with the registered PoA DD/1/ and VPA DD/2/, The applied value is correct and justified |

#### ID 3/ EFfuel,nonCO<sub>2</sub>,N<sub>2</sub>O : N<sub>2</sub>O emission factor for wood that is reduced

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missions persons and directly affected persons attributed to disasters per 100,000 population</li> </ul>                        |
|---------------------------|--|
| Means of<br>verification  | The value for this parameter is 0.004 tCO <sub>2</sub> /TJ which was sourced from 2006 IPCC Guidelines for National Greenhouse Gas Inventories 2.1, Volume 2: Energy/25/)                      |
| Findings                  | None   |
| Conclusion                | The value mentioned in the Monitoring Report /6/ and Emission Reduction Spreadsheet /7/ are consistent with the registered PoA DD/1/ and VPA DD/2/, The applied value is correct and justified |

#### ID 4/ NCVfuel : The Net Calorific Value (NCV) of the fuel that is substituted or reduced

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population.</li> </ul> |  |  |
|---------------------------|---|--|--|
| Means of                  | The value of this parameter 0.0186 was sourced from NCV for Red Oak, per Global   |  |  |
| verification              | Alliance for Clean Cookstoves, "WBT 4.2.4   |  |  |
|                           | Spreadsheet"(http://cleancookstoves.org/technology-and-   |  |  |
|                           | fuels/testing/protocols.html) with reference to Cheremisinoff, N. Properties of Wood.   |  |  |
|                           | Wood for Energy Production. Ann Arbor, MI, Ann Arbor Science: 31-43. 1980   |  |  |
| Findings                  | None  |  |  |
| Conclusion                | The value mentioned in the Monitoring Report /6/ and Emission Reduction   |  |  |
|                           | Spreadsheet /7/ are consistent with the registered PoA DD/1/ and VPA DD/2/, The   |  |  |
|                           | applied value is correct and justified  |  |  |

# ID 5/ fNRB,b,y: %The non-renewable fraction of the woody biomass harvested in the project collection area in year y in the baseline scenario

| Relevant SDG<br>Indicator | <ul> <li>15-Life on land</li> <li>15.2.1 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation</li> </ul>  |
|---------------------------|---|
| Means of verification     | The value of 69% was taken from a third-party NRB Analysis by Berkeley Air<br>Monitoring Group (2011). Result was adjusted downward from the previously used<br>NRB value of 77% to ensure conservativeness and align with recently validated<br>project NRB figures during the renewal of crediting period. The above figure of<br>69% has been validated in the ERM CVS validation report dated 30 <sup>th</sup> March 2016 |
| Findings                  | None  |
| Conclusion                | The value mentioned in the Monitoring Report /6/ and Emission Reduction Spreadsheet /7/ are consistent with the registered PoA DD/1/ and VPA DD/2/, The applied value is correct and justified  |

#### E.3.4.2. Data and parameters monitored (Carbon & SDG)

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population</li> </ul> |  |  |  |
|---------------------------|--|--|--|--|
| Means of verification     | This is measured manually and recorded on Salesforce.com installation database though Garmin GPS devices   |  |  |  |
|                           | Criteria/Requirem<br>ents  | Assessment/Observation   |  |  |
|                           | Measuring<br>/Reading<br>/Recording<br>frequency   | Ongoing  |  |  |
|                           | Is measuring and<br>reporting<br>frequency in<br>accordance with<br>the monitoring plan<br>and monitoring<br>methodology?<br>(Yes / No)                                | The frequency is in line with the registered PoA DD/1/<br>and VPA DD/2/  |  |  |
|                           | Monitoring<br>equipment  | Smartphones; Salesforce.com installation database/8/   |  |  |
|                           | Calibration<br>frequency /interval:  | Not Applicable   |  |  |
|                           | How were the<br>values in the<br>monitoring report<br>verified?  | The value of the parameter was verified from the sales database/8/. The verified value of the parameter is 21,087. The ER sheet/7/ was checked for the calculations and was found to have the correct value used.  |  |  |
|                           | If applicable, has<br>the reported data<br>been cross-<br>checked with other<br>available data?  | Yes. The information provided in the Database/19/<br>were verified randomly during the site visit by<br>interviewing the end users.<br>The survey results were checked by the verification<br>team and were found acceptable. The results are<br>reproducible in the corresponding ER sheet /7/ of final<br>Monitoring Report /6/. |  |  |

#### ID 6 / Np,y : Number of project technology days

| Conclusion | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/1/ (as per measurement methods and procedures to be applied) and applied methodology/10/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan/1/. |   |  |
|------------|--|---|--|
| Findings   | None   |   |  |
|            | In case project<br>participants have<br>temporarily not<br>monitored the<br>parameter, has<br>either i) a deviation<br>been approved by<br>the CDM EB or ii)<br>has the parameter<br>been estimated as<br>stipulated by<br>Appendix 1 to the<br>CDM Project<br>Standard?                               | Not Applicable  |  |
|            | Does the data<br>management<br>ensure correct<br>transfer of data<br>and reporting of<br>emission<br>reductions and are<br>necessary QA/QC<br>processes in<br>place?   | The verification team randomly selected 159 samples<br>for DOE's field survey and via on-site interview found<br>out that all the stoves which were selected for sampling<br>are installed at the household and are in working<br>condition.<br>The CME directly supervises the training of staff and<br>provides guidelines to facilitate accurate record<br>keeping in their database. During the site visit the sale<br>process, record keeping was reviewed and were found<br>reliable. |  |
|            |  | The verification team randomly selected 159 samples   |  |

# ID 7 / $P_{p,b,y}$ : Average daily dry wood fuel reduction per person-meal (tonnes/household/day)

| Relevant SDG<br>Indicator | <ul> <li>15 – Life on Land</li> <li>15.2.1By 2020,promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation</li> </ul>  |   |  |
|---------------------------|---|---|--|
| Means of verification     | Specific fuel savings from an individual technology of project p against an individual<br>technology of baseline b in year y are measured through a Kitchen Performance<br>Test. Survey data is tabulated in the attached "VP9-02 KPT Data.xlsx"/33/ and<br>parameter flows to ER Calculations.xlsx"/7/.The data has been analysed by third<br> |   |  |
|                           | Measuring<br>/Reading<br>/Recording<br>frequency  | Annual The frequency is in line with the registered RoA DD/1/           |  |
|                           | ls measuring and<br>reporting<br>frequency in   | The frequency is in line with the registered PoA DD/1/<br>and VPA DD/2/ |  |

|            |  | CDM-PoA-VCR-FORM  |  |
|------------|--|---|--|
|            | accordance with<br>the monitoring plan<br>and monitoring<br>methodology?<br>(Yes / No)   |   |  |
|            | Monitoring   | Compact digital hanging scale   |  |
|            | equipment  | Zipper polyethylene bag   |  |
|            |  | Moisture meter with digital readout   |  |
|            | Calibration<br>frequency /interval:  | Digital hanging scale is calibrated before every study.   |  |
|            | How were the<br>values in the<br>monitoring report<br>verified?  | The value of the parameter was verified from the ER sheet, where it has been calculated using the fuel savings per personal meal grouped on the basis of age group; this data was verified from KPT data/12/. The verified value of the parameter is 0.005045 t/household/day. The ER sheet/7/ was checked for the calculations and was found to have the correct value used. |  |
|            | If applicable, has<br>the reported data<br>been cross-<br>checked with other<br>available data?  | Not applicable  |  |
|            | Does the data<br>management<br>ensure correct<br>transfer of data and<br>reporting of<br>emission<br>reductions and are<br>necessary QA/QC<br>processes in<br>place?   | QA/QC procedures were found to be appropriate and<br>reliable. The person responsible for the monitoring &<br>survey are well trained which is evident from the site<br>visit interview.  |  |
|            | In case project<br>participants have<br>temporarily not<br>monitored the<br>parameter, has<br>either i) a deviation<br>been approved by<br>the CDM EB or ii)<br>has the parameter<br>been estimated as<br>stipulated by<br>Appendix 1 to the<br>CDM Project<br>Standard?   | Not Applicable  |  |
| Findings   | CI 2 was raised and r  | esolved   |  |
| Conclusion | CL2 was raised and resolved.<br>The parameter has been monitored appropriately, in accordance with the registered monitoring plan/1/ (as per measurement methods and procedures to be applied) and applied methodology/10/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan/1/. |   |  |

# ID 8 / $U_{p,y}$ : Abandonment (drop-off) rate (the number of stoves that have fallen out of use in a given age group) expressed as %of households

| Relevant<br>SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population</li> </ul>   |  |                        |  |                    |  |
|------------------------------|--|--|------------------------|--|--------------------|--|
| Means of<br>verification     | Cumulative abandonment rates are applied, i.e., they reflect the total rate of abandonment for a given age group. Annual rates are extrapolated and applied to ER Calculations. Survey data is exported from Salesforce and tabulated in the attached "VP9-13 Dropoff Data.xls."/19/ |  |                        |  |                    |  |
|                              | Criteria/Requireme<br>nts  | Assessme   | ent/Observ             | /ation                                     |                    |  |
|                              | Measuring /Reading /Recording frequency  | Annual   |                        |  |                    |  |
|                              | Is measuring and<br>reporting frequency<br>in accordance with<br>the monitoring plan<br>and monitoring<br>methodology? (Yes /<br>No)   | The frequency is in line with the registered PoA DD/1/ and VPA DD/2/   |                        |  |                    | I PoA DD/1/ and  |
|                              | Monitoring<br>equipment  | Surveys co   | ompiled by             | handheld                                   | device             |  |
|                              | Calibration frequency<br>/interval:  | NA   |                        |  |                    |  |
|                              | How were the values<br>in the monitoring<br>report verified?   | The value of the parameter was verified from the on site verification. The verified value of the parameter are as given in table below. The ER sheet/7/ was checked for the calculations and was found to have the correct value used.<br>The following drop off rates were observed during the verification site visit: |                        |  |                    |  |
|                              |  | Age<br>Group   | #<br>survey<br>s       | Report<br>ed<br>drop<br>off<br>%(in<br>MR) | #<br>abandon<br>ed | Surveyed<br>Dropoff %  |
|                              |  | 0_1  | 23                     | 4%   | 0                  | 0%   |
|                              |  | 1_2  | 24                     | 9%   | 1                  | 4%   |
|                              |  | 2_3  | 24                     | 12%  | 3                  | 11%  |
|                              |  | 3_4  | 21                     | 18%  | 4                  | 16%  |
|                              |  | 4_5  | 32                     | 20%  | 3                  | 10%  |
|                              |  | 5_6  | 21                     | 22%  | 6                  | 22%  |
|                              |  | off rate rep   | ported, the the values | approach                                   | n was found        | ower than the drop-<br>to be conservative.<br>ed by the CME were |
|                              | If applicable, has the reported data been cross-checked with other available data?   | Not applica  | able                   |  |                    |  |

|            | Does the data<br>management ensure<br>correct transfer of<br>data and reporting of<br>emission reductions<br>and are necessary<br>QA/QC processes in<br>place?  | QA/QC procedures were found to be appropriate and<br>reliable. The person responsible for the monitoring & survey<br>are well trained which is evident from the site visit interview. |  |
|------------|---|---|--|
|            | In case project<br>participants have<br>temporarily not<br>monitored the<br>parameter, has either<br>i) a deviation been<br>approved by the<br>CDM EB or ii) has the<br>parameter been<br>estimated as<br>stipulated by<br>Appendix 1 to the<br>CDM Project<br>Standard?  | Not Applicable  |  |
| Findings   | CL2 was raised and res  |   |  |
| Conclusion | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/1/ (as per measurement methods and procedures to be applied) and applied methodology/10/. The movitored values were found to be conservative and therefore acceptable. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan/1/. |   |  |

### ID 9 / LEp,y : Number of households

Assess leakage sources including (1) replacement of efficient household heating sources with less efficient fuel; (2) continued use of baseline stove after installation

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population</li> </ul> |   |  |
|---------------------------|--|---|--|
| Means of verification     | Surveys are taken onsite, and the information contained on Salesforce.c         database.         Criteria/Requirem         Assessment/Observation                     |   |  |
|                           | ents<br>Measuring<br>/Reading<br>/Recording<br>frequency   | Recorded continuously and reported annually                             |  |
|                           | Is measuring and<br>reporting<br>frequency in<br>accordance with<br>the monitoring plan<br>and monitoring<br>methodology?<br>(Yes / No)                                | The frequency is in line with the registered PoA DD/1/<br>and VPA DD/2/ |  |
|                           | Monitoring<br>equipment  | Questionnaires  |  |

|            | Calibration<br>frequency /interval:  | NA  |  |
|------------|--|---|--|
|            | How were the<br>values in the<br>monitoring report<br>verified?  | The total leakage for the 9 <sup>th</sup> Verification Period is 4.7%.<br>Survey data is exported from Salesforce and tabulated in<br>the annexure "VP9-09 Leakage Sustainability Results/15/.<br>The ER sheet/7/ was checked for the calculations and was<br>found to have the correct value used. The monitored value<br>of the parameter is 15,333 tonnes. |  |
|            | If applicable, has<br>the reported data<br>been cross-<br>checked with other<br>available data?  | The sources of leakage identified above, including discounts to prevent double counting were crosschecked against the data records available on site  |  |
|            | Does the data<br>management<br>ensure correct<br>transfer of data and<br>reporting of<br>emission<br>reductions and are<br>necessary QA/QC<br>processes in<br>place?   | QA/QC procedures were found to be appropriate and<br>reliable. The person responsible for the monitoring &<br>survey are well trained which is evident from the site<br>visit interview.  |  |
|            | In case project<br>participants have<br>temporarily not<br>monitored the<br>parameter, has<br>either i) a deviation<br>been approved by<br>the CDM EB or ii)<br>has the parameter<br>been estimated as<br>stipulated by<br>Appendix 1 to the<br>CDM Project<br>Standard?                               | Not Applicable  |  |
|            |  |   |  |
| Findings   | None   |   |  |
| Conclusion | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/1/ (as per measurement methods and procedures to be applied) and applied methodology/10/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan/1/. |   |  |
|            |  |   |  |

### ID 10 / LEp,y – Leakage due to Transportation, in Kilometers

| Relevant SDG<br>Indicator | <ul> <li>13 – Climate Action</li> <li>13.1.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population.</li> </ul>                                    |  |  |
|---------------------------|--|--|--|
| Means of verification     | Mileage records track miles driven are recorded on an ongoing basis for<br>each vehicle using vehicle odometers, and the results are tabulated<br>annually.Criteria/Requirem<br>entsAssessment/Observation |  |  |

|            | CDM-PoA-VCR-FORM   |  |  |  |
|------------|--|--|--|--|
|            | Measuring<br>/Reading<br>/Recording<br>frequency   | Mileage is tracked for every transport (continuous) and is tabulated annually.   |  |  |
|            | Is measuring and<br>reporting<br>frequency in<br>accordance with<br>the monitoring plan<br>and monitoring<br>methodology?<br>(Yes / No)  | The frequency is in line with the registered PoA DD/1/<br>and VPA DD/2/  |  |  |
|            | Monitoring<br>equipment  | Vehicle odometer   |  |  |
|            | Calibration<br>frequency /interval:  | NA   |  |  |
|            | How were the<br>values in the<br>monitoring report<br>verified?  | The transportation records/20/ were checked on site.<br>Transportation records for all Mirador vehicles are<br>tabulated/20/ showing Mirador vehicles collectively drove<br>283,854 km (or 176,379 miles) during the 9th Verification<br>Period.<br>The project emitted altogether 0.04% of CO2 due to<br>transportation during the current verification period which<br>was calculated using a standard online carbon<br>calculator/27/. Since the percentage of CO2 released by<br>transport is almost negligible, the value of the parameter<br>as 0.0% was accepted. |  |  |
|            | If applicable, has<br>the reported data<br>been cross-<br>checked with other<br>available data?  | NA   |  |  |
|            | Does the data<br>management<br>ensure correct<br>transfer of data<br>and reporting of<br>emission<br>reductions and are<br>necessary QA/QC<br>processes in<br>place?   | QA/QC procedures were found to be appropriate and reliable.  |  |  |
|            | In case project<br>participants have<br>temporarily not<br>monitored the<br>parameter, has<br>either i) a deviation<br>been approved by<br>the CDM EB or ii)<br>has the parameter<br>been estimated as<br>stipulated by<br>Appendix 1 to the<br>CDM Project<br>Standard? | Not Applicable   |  |  |
| Findings   | CL4 raised and resolv  | ved  |  |  |
| Conclusion |  |  |  |  |
|            | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/1/ (as per measurement methods and procedures to   |  |  |  |

| be applied) and applied methodology/10/. The monitoring results were recorded |
|---|
| consistently as per the approved frequency in the monitoring plan/1/.         |

## E.3.4.3. Data and parameters monitored (Sustainable Development)

| Relevant SDG Indicator | 7 – Affordable and Clean Energy  |
|------------------------|--|
|                        | 7.3.1 Energy intensity measured in terms of primary energy and GDP   |
| Data/parameter         | ID 11 / % reduction in release of PM2.5  |
| Means of Verification  | Document review and site visit<br>Report - McCarty, Nordica & Still, Dean, "Results of Testing the Overlook<br>Foundation Justa Stoves Including the '2 By 3' Stove: Fuel Use and<br>Carbon/CO2eq Savings" (2009)  |
|                        | 1. The parameter is measured using HAPExNano light scattering<br>nephelometer, which measures the PM concentration in an environment.<br>79% was the value of the parameter obtained. It was worn by study<br>participants in control and intervention groups during a 48-hour period,<br>which was confirmed during on-site visit by the DOE representative. 100%<br>of the households surveyed confirmed that there was a remarkable<br>improvement in Air quality and soot since the new stoves were built. |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found   |

| Relevant SDG Indicator | <ul> <li>3 – Good Health and Well Being</li> <li>3.9.1Mortality rate attributed to household and ambient air pollution</li> </ul>   |
|------------------------|---|
| Data/parameter         | ID 12 / % reduction in personal exposure to PM2.5   |
| Means of Verification  | Document review and site visit<br>Report - Lefebvre, Olivier, "Health Impact of Proyecto Mirador 2x3 Stove"<br>(2018)<br>The parameter is measured using HAPExNano light scattering<br>nephelometer, whcich measures the PM concentration in its surroundings.<br>47% was the value of the parameter monitored. The nephelometer was<br>worn by study participants in control and intervention groups during a 48-<br>hour period, which was confirmed by was confirmed during on-site visit by<br>the DOE representative through interviews. |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found  |

| Relevant SDG Indicator | <ul> <li>1 – No Poverty</li> <li>1.2.2 Proportion of men, women and children of all ages living in poverty in all its dimensions according to national definitions</li> </ul>  |
|------------------------|--|
| Data/parameter:        | ID 13 / Time saved collecting fuelwood   |
| Means of Verification  | Qualitative surveys were conducted by the CME regularly. 3.78 Hours /week (a reduction of 40%), value was checked from the summary of sustainability surveys, ref. VP-09 Leakage Sustainability Results/15/. The applied value was found to be correct. End-users were interviewed during the DOE survey, results were corroborated by visual inspection and cross checked using Salesforce.com database/8/. |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found   |

| Relevant SDG Indicator | <ul> <li>1 – No Poverty</li> <li>1.2.2. Proportion of men, women and children of all ages living in poverty in all its dimensions according to national definitions</li> </ul>   |
|------------------------|--|
| Data/parameter:        | ID 14 / Money saved purchasing fuelwood  |
| Means of Verification  | Qualitative surveys were conducted regularly and tabulated in "VP9-09<br>Leakage Sustainability Results"/15/. US\$ 2.23 (54 Honduran Lempiras)<br>per week per HH, a reduction of 54% was reported in the MR which was<br>verified by the verification team using surveys taken onsite. The results<br>were corroborated by visual inspection and cross-checked using<br>Salesforce.com database/8/. |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.  |

| Relevant SDG Indicator | <ul><li>2 – Zero Hunger</li><li>2.1.1 Prevalence of undernourishment</li></ul>   |
|------------------------|--|
| Data/parameter:        | ID 15 / % of people reporting they used money saved purchasing fuelwood to buy food  |
| Means of Verification  | Qualitative surveys were conducted by CME to monitor if the funds<br>saved by end-users because of the project were used for purchasing<br>food. 71% of the population were found to be reporting that they used<br>money saved purchasing fuelwood to buy food. The value used is<br>correct, checked from VP9-09 Leakage Sustainability Results"/15/. This<br>was also cross checked during on-site visit while conducting DOE<br>surveys. |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.  |

| Relevant SDG Indicator | <ul> <li>7 – Affordable and Clean Energy</li> <li>7.3.1Energy intensity measured in terms of primary energy and GDP.</li> </ul>  |
|------------------------|--|
| Data/parameter:        | ID 16 / % of households that report the air inside the home is cleaner   |
| Means of Verification  | Qualitative surveys were conducted by CME to monitor the number of households which reported to have cleaner air in their homes. 100% of the population were found to be reporting the same. The value used is correct, checked from VP9-09 Leakage Sustainability Results"/15/. This was also cross checked during on-site visit while conducting DOE surveys and interviews of end-users |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.  |

| Relevant SDG Indicator | <ul> <li>4 – Quality Education</li> <li>4.3.1 Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months by sex.</li> </ul>   |
|------------------------|---|
| Data/parameter:        | ID 17 / Individual training hours provided per year   |
| Means of Verification  | Documented records and training data verified on site, and checked with the database available on salesforce.com. The value 4116 hours/year is correct as checked with' VP9-17 training data'/28/.  |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found. |

| Relevant SDG Indicator | <ul><li>5 – Gender Equality</li><li>5.5.2 Proportion of women in managerial positions.</li></ul>  |
|------------------------|---|
| Data/parameter:        | ID 18 / Proportion of employees who are women   |
| Means of Verification  | 2. Employment records show the proportion of women employed, by job<br>type, 29% of the direct employees are women, while 6% of the overall<br>workforce including field personnel. Qualitative surveys, on site<br>interviews & documents- VP9-09 Leakage Sustainability Results/15/ and<br>VP9-12 Quantitative Employment/18/ were cross checked to verify this<br>information. |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.   |

| Relevant SDG Indicator | <ul> <li>5 – Gender Equality</li> <li>5.c.1 Proportion of countries with systems to track and make public allocations for gender equality and women's empowerment.</li> </ul>   |
|------------------------|---|
| Data/parameter:        | ID 19 / Improvement in Cooking Times  |
| Means of Verification  | 99% of respondents say the Dos por Tres cooks faster. It was verified<br>from on-site surveys and interviews conducted by the verification team<br>that all end-users surveyed reported in reduction of time taken to cook.<br>Findings from DOE survey were later cross-checked with survey<br>database from Salesforce.com/8/ and therfore, monitored data was<br>found appropriate by the DOE. |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.   |

| Relevant SDG Indicator | <ul> <li>5 – Gender Equality</li> <li>5. C.1 Proportion of countries with systems to track and make public allocations for gender equality and women's empowerment.</li> </ul>   |
|------------------------|--|
| Data/parameter:        | ID 20 / % of users who say there is something they don't like about the stove  |
| Means of Verification  | 1% of the users of all have something which they have not liked about<br>the stove. The same has been verified at the time of on-site surveys and<br>interviews conducted by the verification team. Findings from DOE survey<br>were later cross-checked with survey database from Salesforce.com/8/<br>and therfore, monitored data was found appropriate by the DOE.   |
| Findings               | None   |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found. The value of the monitored parameter has been cross-checked from the MR sheet/6/ |

| Relevant SDG Indicator | <ul> <li>8 – Decent Work and Economic Growth</li> <li>8.5.2 Unemployment rate by sex, age and person with disabilities.</li> </ul>  |
|------------------------|---|
| Data/parameter:        | ID 21 / % of Mirador employees and microenterprises who report they are satisfied with their jobs   |
| Means of Verification  | 100% of the respondents of monitoring survey reported job satisfaction.<br>The responses of the respondents in the annual qualitative survey were<br>verified during DOE's on site-visit by conducting survey and interviews.<br>All respondents reported to be happy with their jobs. The raw data for<br>the employees' survey provided by the CME/17/ was also used for<br>cross-checking of DOE findings and was found appropriate. |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found.   |

| Relevant SDG Indicator | <ul> <li>8 – Decent Work and Economic Growth</li> <li>8.5.2 Unemployment rate by sex, age and person with disabilities.</li> </ul>  |
|------------------------|---|
| Data/parameter:        | ID 22 / Quantitative employment by job type   |
| Means of Verification  | Annual surveys and on site interviews were conducted by CME to<br>monitor this parameter and it was found that 161 people were employed<br>due to the project activity. This was verified by the verification team<br>during on-site visit as checked from the employment records on site   |
| Findings               | None  |
| Conclusion             | Sustainability criteria was found to be fulfilled. The monitoring and reporting is as per the registered PoA-DD/1/ and VPA-DD/2/. The representation of the monitored value was found to be accurate which was easily verifiable. No discrepancy in data monitoring, data management, transfer of data or QA/QC procedures was found. |

#### E.3.4.4. Implementation of sampling plan

| Means of verification | It was verified through on site visit that a sampling method of Simple Random Sampling was followed through VPA which is in compliance with the registered VPA-DD/2/ |
|-----------------------|--|
| Findings              | No Finding   |
| Conclusion            | The Sampling Plan implemented is inline to the method mentioned in PoA DD/1/.  |

#### E.3.4.5. Compliance with the calibration frequency requirements for measuring instruments

The calibration related information for the equipment used in the project is outlined in the Monitoring report Section C.

The devices and equipment used in the project have been detailed below:

| S.no. | Device                   | Make                                      | Accuracy                                   | Usage                          | Calibration Frequency   |
|-------|--------------------------|---|--|--------------------------------|---|
| 1.    | Humidity<br>Meter        | Delhorst BD-<br>2100                      | ± 0.2% (in<br>moisture range<br>6% to 40%) | Kitchen<br>Performance<br>Test | The device is checked for<br>calibration before every<br>use using calibration<br>check key/30/ |
| 2.    | Digital<br>Scale         | MadBite- Digital<br>Hanging Fish<br>Scale | ± 1 ounce (to<br>110 lbs / 50 kg)          | Kitchen<br>Performance<br>Test | Calibrated prior to each measurement by checking that the scale is reset to 0/31/.              |
| 3.    | GPS<br>marking<br>device | Smartphone                                | ± 3 meters                                 | Mark stove<br>locations        | Calibration not required  |

The copies of relevant pages from the brochures supplied by the equipment manufacturers were checked:

GPS Device -Garmin eTrex 20/29/:

- Page 10 Increasing the accuracy of a waypoint location
- Page 47 GPS accuracy

Humidity Meter Specification/30/:

- Page 3 Calibration Check Key & instructions
- Page 6 Meter reset instructions

Digital Scale Specification/31/:

- Panel 1 Tare/zero instructions
- Comments corroborate accuracy of ± 1 ounce, customer reviews available at www.amazon.com

The procedures prescribed by the manufacturers and the instruments were verified during the site visit, and no equipment were found to be out of range.

| E.3.4.6. Safeguardir | ng principles assessment |
|----------------------|--------------------------|
|                      |                          |

| Means      | of |   | social, economic and e   |                |  |
|------------|----|---|--|----------------|--|
| validation |    | Safeguardi                                      | Assessment   | Assessme       | Justification by DOE   |
|            |    | ng  | questions  | nt of          |  |
|            |    | principles                                      |  | relevance      |  |
|            |    | P   |  | to the         |  |
|            |    |   |  | project by     |  |
|            |    |   |  | CME            |  |
|            |    |   |  | (Yes/poten     |  |
|            |    |   |  | tially/No)     |  |
|            |    | 3.2 Gender<br>Equality and<br>Women's<br>Rights | 1. The Project shall<br>complete the<br>following gender<br>assessment<br>questions in order to<br>inform  |                | Based on the registered<br>GS documentation,<br>including PoA-DD/1/ and<br>transition document/32/,<br>from review and<br>assessment of the PoA it   |
|            |    |   | Requirements 2-4, below:   | a. No          | is evident that the<br>Programme enables the   |
|            |    |   | <ul> <li>a) Is there a possibility that the Project might reduce or put at risk women's access to or control of resources, entitlements and benefits?</li> <li>b) Is there a possibility that the Project can</li> </ul>   | a. No<br>b. No | beneficiaries in using<br>efficient cookstoves for<br>cooking. Therefore, the<br>activity helps in reducing<br>the time wasted collecting<br>firewood, along with the<br>physical labour. Based on<br>the gender roles, it is<br>mostly women who shall<br>be benefitted from the<br>programme therefore the<br>safeguarding principle is<br>relevant to the programme |
|            |    |   | adversely affect<br>men and women<br>in marginalised<br>or vulnerable<br>communities<br>(e.g., potential<br>increased<br>burden on<br>women or social<br>isolation of<br>men)?   |                | in a positive manner. It<br>was found in this<br>verification period that<br>99% of respondents of<br>annual survey reported a<br>faster cooking speed of<br>project stove. Hence, it<br>was found acceptable by<br>the assessment team.   |
|            |    |   | <ul> <li>c) Is there a possibility that the Project might not take into account gender roles and the abilities of women or men to participate in the decisions/design s of the project's activities (such as lack of time, child care duties, low literacy or</li> </ul> | c. No          |  |

|          | educational  |                         |  |
|----------|--|-------------------------|--|
| d)       | levels, or<br>societal<br>discrimination)?<br>Does the Project<br>take into<br>account gender<br>roles and the<br>abilities of<br>women or men<br>to benefit from<br>the Project's<br>activities (e.g.,<br>Does the project<br>criteria ensure<br>that it includes<br>minority groups<br>or landless<br>peoples)?  | d. Yes                  |  |
| e)<br>f) | Does the Project<br>design<br>contribute to an<br>increase in<br>women's<br>workload that<br>adds to their<br>care<br>responsibilities<br>or that prevents<br>them from<br>engaging in<br>other activities?<br>Would the<br>Project<br>potentially<br>reproduce or<br>further deepen<br>discrimination<br>against women<br>based on<br>gender, for<br>instance,<br>regarding their<br>full participation<br>in design and<br>implementation<br>or access to<br>opportunities<br>and benefits?<br>Would the<br>Project<br>potentially limit<br>women's ability<br>to use, develop<br>and protect<br>natural<br>resources,<br>taking into<br>account different<br>roles and<br>priorities of | e. No<br>f. No<br>g. No |  |

|   |   |       | CDM-PoA-VCR-FORM   |
|---|---|-------|--|
|   | <ul> <li>women and men<br/>in accessing and<br/>managing<br/>environmental<br/>goods and<br/>services?</li> <li>h) Is there<br/>likelihood that<br/>the proposed<br/>Project would<br/>expose women<br/>and girls to<br/>further risks or<br/>hazards?</li> </ul>   | h. No |  |
| 3.4.3 Land<br>Tenure and<br>Other<br>Rights       | a. Does the Project<br>require any change<br>to land tenure<br>arrangements<br>and/or other rights?   | No    | The safeguarding principle<br>is not impacted by the<br>VPA since the inclusion of<br>VPA and distribution of<br>biogas digesters does not<br>require any change to land<br>tenure arrangements. It<br>only requires the<br>beneficiary to own a<br>house, where the stove<br>can be built. Therefore, the<br>CME is not monitoring.<br>Since safeguarding<br>principle is not impacted,<br>the verification team found<br>it acceptable for CME to<br>not monitor this principle. |
| 3.6.2<br>Negative<br>Economic<br>Consequen<br>ces | a. The Project<br>Developer shall<br>demonstrate the<br>financial<br>sustainability of the<br>Projects<br>implemented, also<br>including those that<br>will occur beyond<br>the Project<br>Certification period.<br>b. The Projects shall<br>consider economic<br>impacts and<br>demonstrate a<br>consideration of<br>potential risks to the<br>local economy and<br>how these have<br>been taken into<br>account in Project<br>design,<br>implementation, and<br>operation and after<br>the Project.<br>Particular focus shall | No    | The safeguarding principle<br>is not impacted by the<br>VPA because the project<br>does not impact the local<br>economy. The cookstoves<br>are constructed, have little<br>operation cost and the<br>project is public funded,<br>therefore, the CME is not<br>monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>verification team found it<br>acceptable for CME to not<br>monitor this principle.   |

|   |   |    | CDM-PoA-VCR-FORM   |
|---|---|----|--|
| 4.1.1<br>Emissions<br>4.1.2<br>Energy                       | be given to<br>vulnerable and<br>marginalised social<br>groups in targeted<br>communities and<br>that benefits are<br>socially-inclusive<br>and sustainable.<br>Will the Project<br>increase<br>greenhouse gas<br>emissions over the<br>Baseline Scenario?<br>Will the Project use<br>energy from a local | No | CDM-PoA-VCR-FORM         The programme reduces         the amount of fuel used for         cooking and therefore         mitigates GHGs. The         parameter is monitored         based on the operational         status of the project units         The safeguarding principle         is impacted by the VPA   |
| Supply  | grid or power supply<br>(i.e., not connected<br>to a national or<br>regional grid) or fuel<br>resource (such as<br>wood, biomass) that<br>provides for other<br>local users?  |    | because the project stoves<br>use lesser fuel from<br>community pool which<br>provides for other local<br>users. Monitored<br>parameter P <sub>p,b,y</sub> indicates<br>that on an average<br>0.005045 tonnes of fuel is<br>saved per household per<br>day/12/. The impact is<br>positive. Therefore,<br>assessment by the CME<br>was found appropriate by<br>the verification team. |
| 4.2.1 Impact<br>on natural<br>water<br>patterns<br>and flow | Will the Project<br>affect the natural or<br>pre-existing pattern<br>of watercourses,<br>ground-water and/or<br>the watershed(s)<br>such as high<br>seasonal flow<br>variability, flooding<br>potential, lack of<br>aquatic connectivity<br>or water scarcity?  | No | The safeguarding principle<br>is not impacted by the<br>VPA except reduction in<br>degradation of forest<br>causing to keep ground<br>water aquifers better<br>supplied. Since<br>safeguarding principle is<br>not directly or significantly<br>impacted, the verification<br>team found it acceptable<br>for CME to not monitor this<br>principle.                                  |
| 4.2.2<br>Erosion<br>and/or<br>water body<br>stability       | Could the Project<br>directly or indirectly<br>cause additional<br>erosion and/or water<br>body instability or<br>disrupt the natural<br>pattern of erosion?  | No | The safeguarding principle<br>is not impacted by the<br>VPA in a negative way.<br>Therefore, the CME is not<br>monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>verification team found it<br>acceptable for CME to not<br>monitor this principle.   |
| 4.2.3<br>Landscape<br>modification<br>and soil              | Does the Project<br>involve the use of<br>land and soil for   | No | The safeguarding principle<br>is not impacted by the<br>VPA because the project<br>doesn't involve use of land<br>and soil for any project   |

|  |   |     | CDM-PoA-VCR-FORM  |
|--|---|-----|---|
|  | production of crops<br>or other products?   |     | related purpose. It's a<br>household level stove<br>installation activity,<br>therefore the CME is not<br>monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>verification team found it<br>acceptable for CME to not<br>monitor this principle.   |
| 4.3.2<br>Vulnerability<br>to Natural<br>Disaster | Will the Project be<br>susceptible to or<br>lead to increased<br>vulnerability to wind,<br>earthquakes,<br>subsidence,<br>landslides, erosion,<br>flooding, drought or<br>other extreme<br>climatic conditions? | No  | The safeguarding principle<br>is not negatively impacted<br>by the VPA. It will protect<br>the ecosystem around the<br>activity area, which in turn<br>will protect against natural<br>disasters. Therefore, the<br>CME is not monitoring.<br>Since safeguarding<br>principle is not impacted<br>negatively, the verification<br>team found it acceptable<br>for CME to not monitor this<br>principle.  |
| 4.3.3<br>Genetic<br>Resources                    | Could the Project be<br>negatively impacted<br>by the use of<br>genetically modified<br>organisms or GMOs<br>(e.g., contamination,<br>collection and/or<br>harvesting,<br>commercial<br>development)?           | No  | The safeguarding principle<br>is not impacted by the<br>VPA, therefore the CME is<br>not monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>verification team found it<br>acceptable for CME to not<br>monitor this principle.  |
| 4.3.4<br>Release of<br>pollutants                | Could the Project<br>potentially result in<br>the release of<br>pollutants to the<br>environment?   | Yes | The safeguarding principle<br>is impacted by the VPA;<br>the project can potentially<br>lead to release of gases<br>like ozone, nitrous gases<br>and carbon monoxide from<br>welding during the<br>production of planchas.<br>Although the CME is not<br>involved in production of<br>this steel, the CME has<br>taken measures to ensure<br>that the employees are<br>protected from such<br>gases. Since the amount<br>of gas released is<br>negligible and some of<br>these gases would also<br>have released in the<br>baseline scenario,<br>therefore, the verification<br>team found it acceptable<br>for CME to not monitor this<br>principle. |
| 4.3.5<br>Hazardous<br>and Non-                   | Will the Project involve the  | No  | The safeguarding principle<br>is not impacted by the<br>CPAs because the stove  |

|            |   |  | 1            | CDM-P6A-VCR-FORM  |
|------------|---|--|--------------|---|
|            | hazardous<br>Waste<br>4.3.6<br>Pesticides | manufacture, trade,<br>release, and/ or use<br>of hazardous and<br>non-hazardous<br>chemicals and/or<br>materials?<br>Will the Project<br>involve the                          | No           | construction and usage<br>doesn't involve any<br>process which can release<br>hazardous or non-<br>hazardous waste.<br>Therefore, the CME is not<br>monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>verification team found it<br>acceptable for CME to not<br>monitor this principle.<br>The safeguarding principle<br>is not impacted by the |
|            | and<br>fertilizers                        | application of<br>pesticides and/or<br>fertilisers?  |              | VPA because project<br>doesn't use pesticides or<br>fertilizers, therefore the<br>CME is not monitoring.<br>Since safeguarding<br>principle is not impacted,<br>the verification team found<br>it acceptable for CME to<br>not monitor this principle.  |
|            | 4.3.7<br>Harvesting<br>of forests         | Will the Project<br>involve the<br>harvesting of<br>forests?   | No           | The safeguarding principle<br>is not impacted by the<br>VPA because no forests<br>are harvested during this<br>project; therefore, the<br>CME is not monitoring.<br>Since safeguarding<br>principle is not impacted,<br>the verification team found<br>it acceptable for CME to<br>not monitor this principle.  |
|            | 4.3.8 Food                                | Does the Project<br>modify the quantity<br>or nutritional quality<br>of food available<br>such as through<br>crop regime<br>alteration or export<br>or economic<br>incentives? | No           | The safeguarding principle<br>is only affected in manner<br>that the money previously<br>spent in purchasing<br>fuelwood can be used for<br>purchasing food. Since the<br>impact is positive, the<br>CME is not monitoring it.<br>The verification team<br>found it acceptable for<br>CME to not monitor this<br>principle.   |
| Findings   | 4.3.9<br>Animal<br>Husbandry              | Will the Project<br>involve animal<br>husbandry?   | No           | The safeguarding principle<br>is not impacted by the<br>VPA, therefore the CME is<br>not monitoring. Since<br>safeguarding principle is<br>not impacted, the<br>validation team found it<br>acceptable for CME to not<br>monitor this principle.  |
| Findings   | None                                      | udio a puin dia la a la arrigita   |              | energenzietels buitte   |
| Conclusion | All the safegua implementer.              | arding principles have be  | en monitored | appropriately by the  |

### E.3.5. Assessment of data and calculation of emission reductions or net removals

| Means of     | tion of baseline GHG emissions or baseline net GHG removals by sinks<br>Baseline emission was calculated using the approach given in the applied  |
|--------------|---|
| verification | methodology/17/. The formula used for baseline estimation is as follows:  |
|              | ERy = $\Sigma$ b,p (Np,y * Up,y * Pp,b,y * NCVb,fuel * (fNRB,b,y * Effuel,CO <sub>2</sub> + Effuel,nonCO <sub>2</sub> )) – $\Sigma$ Lep,y   |
|              | Where,  |
|              | $\Sigma_{b,p}$ : Sum over all relevant (baseline b/project p) couples   |
|              | N <sub>p,y</sub> : <i>Parameter ID6</i> - Cumulative number of project technology-days included in the project database for project scenario p against baseline scenario b in year y  |
|              | $U_{p,y}$ : <i>Parameter ID8</i> - Cumulative usage rate for technologies in project scenario p in year y, based on cumulative adoption rate and drop off rate revealed by usage surveys (fraction)   |
|              | $P_{p,b,y}$ : <i>Parameters ID7</i> - Specific fuel savings for an individual technology of project p against an individual technology of baseline b in year y, in tons/day, as derived from the statistical analysis of the data collected from the field tests  |
|              | f <sub>NRB,b, y</sub> : <i>Parameter ID5</i> - Fraction of biomass used in year y for baseline scenario b that can be established as non-renewable biomass (drop this term from the equation when using a fossil fuel baseline scenario)  |
|              | NCV <sub>b,fuel</sub> : <i>Parameter ID4</i> - Net calorific value of the fuel that is substituted or reduced (0.0186 TJ/ton, NCV for Red Oak)<br>EF <sub>b,fuel,CO2</sub> : <i>Parameter ID1</i> - CO2 emission factor of the fuel that is substituted or reduced. 112 tCO2/TJ for Wood/Wood Waste, or the IPCC default value of other relevant fuel EFb,fuel,nonCO2 Non-CO2 emission factor of the fuel that is reduced                 |
|              | LE <sub>p,y</sub> : Parameters ID9 & ID10- Leakage for project scenario p in year y (tCO2e/yr)  |
|              | Effuel,nonCO2: Parameters ID2 & ID3- Non-CO2 emission factor of the fuel that is reduced  |
|              | The formula was checked with methodology and registered PoA-DD and VPA-DDs.   |
| Findings     | None  |
| Conclusion   | The verification team verified that   |
|              | <ul> <li>a) A complete set of data for the monitoring period was available and the verification<br/>of each monitoring parameter is elaborated in this report. The complete monitoring<br/>data is also presented in the corresponding ER calculations sheet/7/ of final<br/>Monitoring Report /6/.</li> </ul>  |
|              | <ul> <li>b) The information provided in the monitoring report was cross checked with other sources, wherever appropriate and available, and such information is also included under Section E.3.4.2 of this report.</li> <li>c) The section E.3.4.2 of this report.</li> </ul>  |
|              | <ul> <li>c) The calculations of overall GHG emissions as presented in the corresponding ER calculations sheet/7/ of final Monitoring Report /6/ were checked and found to be consistent with the formulae and methods described in the registered monitoring plan of VPA-DD/2/, registered PoA-DD/1/ and the applied methodology/10/.</li> <li>d) All assumptions used in the emission calculations were found appropriate and</li> </ul> |
|              | <ul> <li>therefore justified</li> <li>e) Appropriate emission factors, IPCC default factors and other reference values<br/>have been correctly applied. This has also been elaborated under Section E.3.4.1<br/>of this report.</li> </ul>  |
|              | <ul> <li>f) No standardized baseline was prescribed in the registered PoA DD/1/ and<br/>therefore it has not been applied.</li> </ul>   |

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

| g) There is no pro-rate approach was applied in the current monitoring period as     |
|--|
| entire monitoring period falls into period that is after the end of first commitment |
| period of Kyoto Protocol.  |
|  |

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

| Means of     | Not applicable as per the methodology and also no source of project emission |  |  |
|--------------|--|--|--|
| verification | could be identified.   |  |  |
| Findings     | Not applicable   |  |  |
| Conclusion   | Not applicable   |  |  |

#### E.3.5.3. Calculation of leakage GHG emissions

| Means of     | The leakage was calculated as a parameter and the overall leakage was found to |
|--------------|--|
| verification | be 15,290 tCO2e. Please see section E.3.4.2 and E.3.5.1.                       |
| Findings     | Please see section E.3.4.2 and E.3.5.1.  |
| Conclusion   | Please see section E.3.4.2 and E.3.5.1.  |

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

| Means of verification | The value of overall GHG emissions obtained by applying the equations provided<br>in the registered PoA-DD is 311,998tCO <sub>2</sub> e.<br>The calculations presented in this regard in the final monitoring report/6/ and<br>corresponding ER calculations sheet/7/ were found appropriate and complying with<br>the provisions prescribed in the registered monitoring plan of VPA DD/2/, registered<br>PoA-DD/1/ and applied methodology/10/.   |  |  |  |
|-----------------------|---|--|--|--|
|                       | The verification team confirms that an audit trail that contains the evidence and records that validated the stated figures were checked and found acceptable.  |  |  |  |
| Findings              | No finding was raised.  |  |  |  |
| Conclusion            | <ul> <li>The verification team confirms that <ul> <li>a) The complete data was available and is duly reported;</li> <li>b) As indicated above, the description with regard to cross-check of reported data is included under respective parameter (refer Section E.3.4 of this report);</li> <li>c) Appropriate methods and formulae for calculating net GHG removals and leakage emissions were followed;</li> <li>d) Appropriate emission factors, IPCC default factors and other reference values were correctly applied.</li> <li>e) There is no pro-rata approach was applied in the current monitoring period as entire monitoring period falls into period that is after the end of first commitment period of Kyoto Protocol.</li> <li>The total number of ERs achieved during the current monitoring period is 311,998tCO<sub>2</sub>e.</li> </ul> </li> </ul> |  |  |  |

| Specific-<br>case<br>CPA<br>referenc | Baseline<br>emissions<br>or baseline<br>net GHG | Project<br>emissions<br>or actual<br>net GHG | Leakage | GHG emission reductions or net GHG<br>removals by sinks<br>(tCO <sub>2</sub> e) achieved in the monitoring<br>period |                    |                 |
|--------------------------------------|---|--|---------|--|--------------------|-----------------|
| e<br>number                          | removals<br>by sinks<br>(tCO <sub>2</sub> e)    | removals<br>by sinks<br>(tCO <sub>2</sub> e) | (tCO₂e) | Up to<br>31/12/2012  | From<br>01/01/2013 | Total<br>amount |
| VPA1                                 | *   | *  | 4.7%    | N/A  | 313,936            | 313,936         |
| Total                                | *   | *  | 4.7%    | N/A  | 313,936            | 313,936         |

\*Since emission reductions are conducted with respect to fuel savings per unit, rather than by comparing overall emissions in the baseline and project scenarios, the 2<sup>nd</sup> and 3<sup>rd</sup> columns in the table above are left blank.

# E.3.5.5. Comparison of actual GHG emission reductions or net GHG removals by sinks with estimates in included specific-case CPA

| Means of<br>verification | Review of VPA-DD and ER calculation spreadsheets demonstrated that In the VPA-DD, 426,606 tonnes were estimated to be reduced between 1 <sup>st</sup> December 2017 – 30 Nov. 2018. 311,998tonnes are reduced during the current monitoring period, which led to the conclusion that actual emission reductions achieved are less than the amount estimated. |
|--------------------------|--|
| Findings                 | None   |
| Conclusion               | The actual emission reductions are lower than the value estimated in VPA-DD/2/.  |
|                          | Therefore, it has been accepted by the verification team.  |

#### E.3.5.6. Remarks on difference from estimated value in registered VPA -DD

| Means of verification | The achieved ERs are lower than the estimates in registered VPA-DD for each VPA. It is explained by PP in monitoring report explicitly and DOE has accepted the justification.   |
|-----------------------|--|
| Findings              | None   |
| Conclusion            | It was verified that the difference is due to a reduction in 2017-2018 stove build quotas, political unrest and conflict in Honduras in Q3 2017 and Q1 2018, as well as unusual rains in Fall 2018, which affected access to many of the rural areas; many roads remain in poor condition and there had been delays in the transport of materials. |

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

| Means of verification | Reported in section E.3.4.3 |
|-----------------------|-----------------------------|
| Findings              | Reported in section E.3.4.3 |
| Conclusion            | Reported in section E.3.4.3 |

#### E.3.7. Global stakeholder consultation

| Means of verification | Not Applicable |
|-----------------------|----------------|
| Findings              | Not Applicable |
| Conclusion            | Not Applicable |

#### **SECTION F.** Internal quality control

The draft verification report that is prepared by verification team is reviewed by an independent technical review team (one or more members) to confirm if the internal procedures established and implemented by Earthood were duly complied with and such opinion/conclusion is reached in an objective manner that complies with the applicable CDM rules/requirements. The technical review team is collectively required to possess the technical expertise of all the technical area/sectoral scope the project activity relates to. All team members of technical review team are independent of the verification team.

During the technical review process additional findings may be identified or the closed-out findings may be opened, which needs to be satisfactorily resolved before the request for issuance is submitted to UNFCCC. The independent technical reviewer may either approve the report as such or reject/return the same in such case providing the comments/findings/issues that needs to be resolved by the verification team. The decision taken by the Technical Reviewer is final and is authorized on behalf of Earthood Services Private Limited.

#### SECTION G. Verification opinion

Earthood Services Private Limited (Earthood), contracted by Proyecto Mirador Foundation, has performed the independent verification of the emission reductions for the GS PoA 1988 "Proyecto Mirador Enhanced

Distribution of Improved Cookstoves in Latin America" in Honduras for the monitoring period 01/12/2017 to 30/11/2018 (Inclusive of both days) as reported in the Monitoring Report Version 5.0 dated 16/05/2019, Proyecto Mirador Foundation is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity.

Earthood commenced the verification on the basis of the baseline and monitoring methodology Technologies and Practices to Displace Decentralized Thermal Energy Consumption (TPDDTEC), Version 2.0, "Gold Standard for Global Goals Transition Annexure", version 1, dated September 2019 the monitoring plan contained in the PoA-DD and VPA-DD, both Version 6.0, dated 25/03/2016, Monitoring Report Version 6.0 dated 16/05/2019.

Earthood's verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. Earthood planned and performed the verification by obtaining evidence and other information and explanations that Earthood considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

The verification team confirms that:

• The PoA was found completely implemented as per the description given in the registered VPA -DD. The actual operation conforms to the description in the registered PoA - DD and VPA- DD

#### **SECTION H. Certification statement**

Earthood Services Private Limited (Earthood), contracted by Proyecto Mirador Foundation, has performed the independent verification of the emission reductions for "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America: First VPA for Distribution of Dos por Tres Cookstoves in Honduras" for the monitoring period 01/12/2017 to 30/11/2018 (Inclusive of both days) as reported in the Monitoring Report Version 6.0 dated 16/05/2019, Proyecto Mirador Foundation is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity. It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity.

Earthood commenced the verification on the basis of the baseline and monitoring methodology Technologies and Practices to Displace Decentralized Thermal Energy Consumption (TPDDTEC), Version 2.0, the monitoring plan contained in the VPA: "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America: First VPA for Distribution of Dos por Tres Cookstoves in Honduras", Monitoring Report Version 6.0 dated 16/05/2019.

Earthood's verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. Earthood planned and performed the verification by obtaining evidence and other information and explanations that Earthood considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

In our opinion the GHG emissions reductions reported for the project activity for the period 01/12/2017 to 30/11/2018 (Inclusive of both days) are fairly stated in the Monitoring Report Version 6.0 dated 16/05/2019 The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology Technologies and Practices to Displace Decentralized Thermal Energy Consumption (TPDDTEC), Version 2.0, the monitoring plan contained in the VPA: "Proyecto Mirador Enhanced Distribution of Improved Cookstoves in Latin America: First VPA for Distribution of Dos por Tres Cookstoves in Honduras". Earthood Services Private Limited is able to certify that the emission reductions from the GS VPA: "Proyecto Mirador Enhanced Distribution of Dos por Tres Cookstoves in Honduras" during the period 01/12/2017 to 30/11/2018 (Inclusive of both days) amount to 311,998 tCO2e.

#### Verified and certified emission reductions as per commitment period:

| Commitment period                                   | Amount             |
|---|--------------------|
| Upto 31/12/2012 (1 <sup>st</sup> commitment period) | Not Applicable/Nil |
| From 01/01/2013 onwards                             | 311,998tCO2e       |

| Abbreviations     | Full Texts  |  |
|-------------------|---|--|
| CAR               | Corrective Action Request                             |  |
| CDM               | Clean Development Mechanism                           |  |
| CER               | Certified Emission Reduction                          |  |
| CL                | Clarification Request                                 |  |
| CME               | Coordinating and Managing Entity                      |  |
| CO <sub>2</sub>   | Carbon dioxide  |  |
| CO <sub>2</sub> e | Carbon dioxide equivalent                             |  |
| CP                | Crediting Period                                      |  |
| DNA               | Designated National Authority                         |  |
| DOE               | Designated Operational Entity                         |  |
| DR                | Document Review                                       |  |
| EB                | Executive Board                                       |  |
| ER                | Emission Reduction                                    |  |
| ER                | Emission Reduction                                    |  |
| ESPL              | Earthood Services Private Limited (Earthood)          |  |
| FAR               | Forward Action Request                                |  |
| GHG               | Green House Gas                                       |  |
| GS                | Gold Standard   |  |
| IPCC              | Intergovernmental Panel on Climate Change             |  |
| IR                | Internal Resource                                     |  |
| ODA               | Official Development Assistance                       |  |
| PCP               | Project Cycle Procedure                               |  |
| PDD               | Project Design Document                               |  |
| PFA               | Pre-Feasibility Assessment                            |  |
| PMU               | Project Management Unit                               |  |
| PoA               | Programme of Activities                               |  |
| PP                | Project participant                                   |  |
| PS                | Project Standard                                      |  |
| SFR               | Stakeholders Feedback Round                           |  |
| UNFCCC            | United Nations Framework Convention on Climate Change |  |
| VER               | Verified Emission Reductions                          |  |
| PO                | Partner Organisation                                  |  |

# Appendix 1. Abbreviations

# Appendix 2. Competence of team members and technical reviewers

| Competence Statement |  |                |         |  |  |
|----------------------|--|----------------|---------|--|--|
| Name                 | Shreya Garg  |                |         |  |  |
| Country              | India  | India          |         |  |  |
| Education            | M.Sc. (Climate Science & Poli  | cy), TERI Univ | versity |  |  |
| Experience           | 6 Years +  |                |         |  |  |
| Field                | Climate Change   |                |         |  |  |
|                      | Approved Re  | oles           |         |  |  |
| Team Leader          | YES  |                |         |  |  |
| Validator            | YES  |                |         |  |  |
| Verifier             | YES  |                |         |  |  |
| Methodology Expert   | AMS.I.A., AMS.I.C., AMS.I.D., AMS.I.F., AMS.II.D., AMS.II.G., AMS.II.J., AMS.III.AV., ACM0002, ACM0012 |                |         |  |  |
| Local expert         | YES (India)  |                |         |  |  |
| Financial Expert     | NO   |                |         |  |  |
| Technical Reviewer   | YES  |                |         |  |  |
| TA Expert            | YES (TA 1.2, TA 3.1)   |                |         |  |  |
|                      |  |                |         |  |  |
| Reviewed by          | Abhishek Mahawar Date 01/03/2018   |                |         |  |  |
| Approved by          | Ashok Gautam Date 01/03/2018   |                |         |  |  |

| Competence Statement |   |           |            |  |
|----------------------|---|-----------|------------|--|
| Name                 | Ashok Gautam  |           |            |  |
| Country              | India   |           |            |  |
| Education            | M. Sc. (Environmental Science<br>M. Tech. (Energy & Environme   |           |            |  |
| Experience           | 16 Years +  |           |            |  |
| Field                | Energy, Climate Change & Env  | vironment |            |  |
|                      | Approved R  | oles      |            |  |
| Team Leader          | YES   |           |            |  |
| Validator            | YES   |           |            |  |
| Verifier             | YES   |           |            |  |
| Methodology Expert   | AMS-I.D., AMS-I.A., AMS-I.C., AMS-I.E, AMS-II.D., AMS-II.G., AMS-III.E.,<br>AMS-III.H., AMS-III.Q, AMS-III.Z., AMS-III.AV., AM0029, AM0025, AM0056,<br>ACM0001, ACM0002, ACM0004, ACM0012, ACM0006, AM0018,<br>ACM0009, AM0034, AMS.I.B |           |            |  |
| Local expert         | YES (India)   |           |            |  |
| Financial Expert     | YES   |           |            |  |
| Technical Reviewer   | YES   |           |            |  |
| TA Expert            | YES (TA 1.1, TA 1.2, TA 3.1, TA 13.1)   |           |            |  |
|                      |   | 1         |            |  |
| Reviewed by          | Shreya Garg   | Date      | 25/01/2019 |  |
| Approved by          | Anshika GuptaDate25/01/2019   |           |            |  |
|                      | Competence Statement  |           |            |  |
| Name                 | Siddharth Yadav   |           |            |  |
| Country              | England (UK)  |           |            |  |

| Education          | Masters (Oxford University)          |                                  |               |  |
|--------------------|--------------------------------------|----------------------------------|---------------|--|
|                    | B. Tech. – Civil Engineering         |                                  |               |  |
| Experience         | 14 Years, More than 10 GS projects   |                                  |               |  |
| Field              | Energy, Climate Change & Environment |                                  |               |  |
|                    | Complete more than 30 CDM            |                                  | s GS projects |  |
|                    | Approved Ro                          | les                              |               |  |
| Team Leader        | YES                                  |                                  |               |  |
| Validator          | YES                                  |                                  |               |  |
| Verifier           | YES                                  |                                  |               |  |
| Financial Expert   | NO                                   |                                  |               |  |
| Technical Reviewer | NO                                   |                                  |               |  |
| TA Expert (1.2)    | YES                                  |                                  |               |  |
| TA Expert (13.1)   | YES                                  |                                  |               |  |
|                    |                                      |                                  |               |  |
| Reviewed by        | Abhishek Mahawar                     | Abhishek Mahawar Date 10/11/2014 |               |  |
| Approved by        | Kaviraj Singh                        | Date                             | 11/11/2014    |  |

| Competence Statement |  |                                     |            |  |
|----------------------|--|-------------------------------------|------------|--|
| Name                 | Kaviraj Singh  |                                     |            |  |
| Country              | India  |                                     |            |  |
| Education            | Ph.D. (Environmental Engineering), IIT Delhi<br>Masters (Energy & Environmental), DAVV Indore    |                                     |            |  |
| Experience           | 15 Years +   |                                     |            |  |
| Field                | Climate Change & Environmer  | nt                                  |            |  |
|                      | Approved Ro  | oles                                |            |  |
| Team Leader          | YES  |                                     |            |  |
| Validator            | YES  |                                     |            |  |
| Verifier             | YES  |                                     |            |  |
| Methodology Expert   | AMS-I.D., AMS-II.D., ACM0006, AMS-I.A., AMS-I.C., AMS-II.B., AMS-III.H, ACM0002, ACM0001, AM0080 |                                     |            |  |
| Local expert         | YES (India)  |                                     |            |  |
| Financial Expert     | YES  |                                     |            |  |
| Technical Reviewer   | YES  | YES                                 |            |  |
| TA Expert            | YES (TA 1.1, TA 1.2, TA 13.1,  | YES (TA 1.1, TA 1.2, TA 13.1, 13.2) |            |  |
|                      |  |                                     |            |  |
| Reviewed by          | Abhishek Mahawar   | Date                                | 01/03/2018 |  |
| Approved by          | Ashok Gautam   | Date                                | 01/03/2018 |  |

| Competence Statement                              |  |  |  |
|---|--|--|--|
| Name  | Sanjeev Kumar  |  |  |
| Country   | India  |  |  |
| Education   | B. Tech. (Chemical Engineering)<br>M.Tech. (Energy Management) |  |  |
| Experience  | 13.5 years +   |  |  |
| Field         Climate Change, Environment, Energy |  |  |  |
| Approved Roles                                    |  |  |  |
| Team Leader                                       | YES  |  |  |
| Validator   | YES  |  |  |
| Verifier  | YES  |  |  |

| Methodology Expert        | YES (ACM0002, ACM0006, ACM0004, ACM0009, ACM0012, ACM0001,         |      |            |
|---------------------------|--|------|------------|
|                           | AMS I.D, AMS I.F, AMS I.C, AMS I.A, AMS II.D, AMS II.E, AMS III.H, |      |            |
|                           | AM0009, AM0013, AM0025, AM0056, AM0028)                            |      |            |
| Local expert              | YES (India)  |      |            |
| Financial Expert          | NO   |      |            |
| <b>Technical Reviewer</b> | YES  |      |            |
| TA Expert                 | YES (TA 1.1, TA 1.2, 4.1, 13.1)                                    |      |            |
|                           |  |      |            |
| Reviewed by               | Shreya Garg  | Date | 13/12/2018 |
| Approved by               | Anshika Gupta  | Date | 13/12/2018 |
|                           |  | •    | •          |

# Appendix 3. Documents reviewed or referenced

| No. | Author                          | Title  | References to the document           | Provi<br>der |
|-----|---------------------------------|--|--------------------------------------|--------------|
| 1.  | Proyecto Mirador<br>Foundation  | PoA-DD, Version 6.0  | Dated 25/03/2016                     | CME          |
| 2.  | Proyecto Mirador<br>Foundation  | 1. VPA-DD, Version 6.0   | Dated 25/03/2016                     | CME          |
| 3.  | Gold Standard<br>Foundation     | 4-week review renewal crediting period<br>GSv2.2 VER   | Dated 20/04/2016                     | CME          |
| 4.  | Proyecto Mirador<br>Foundation  | VPA Passport 2016  | Dated 25/03/2016                     | CME          |
| 5.  | Proyecto Mirador<br>Foundation  | Monitoring Report, Version 01<br>(version 02 was interim versions and was<br>updated)  | Dated 05/12/2017                     | CME          |
| 6.  | Proyecto Mirador<br>Foundation  | Monitoring Report Version 03<br>(version 04 was interim versions and was<br>updated)   | Dated 25/03/2019                     | CME          |
| 7.  | Proyecto Mirador<br>Foundation  | Monitoring Report Version 6 (final)  | Dated 16/05/2019                     | CME          |
| 8.  | Proyecto Mirador<br>Foundation  | <ul><li>a) ER calculations</li><li>b) ER calculations</li></ul>  | Dated 05/12/2017<br>Dated 31/01/2018 | CME          |
| 9.  | Proyecto Mirador<br>Foundation  | VP09-06 Sales Records (salesforce.com)   | Dated 10/11/2018                     | CME          |
| 10. | Proyecto Mirador<br>Foundation  | VP09-07 Stoves installed by month  | Dated 10/11/2018                     | CME          |
| 11. | The Gold Standard<br>Foundation | The Gold Standard Simplified Methodology<br>Technologies and Practices to Displace<br>Decentralized Thermal Energy<br>Consumption<br>Gold Standard for Global Goals Transition | Dated 17/01/2018                     | Others       |
|     |                                 | Annexure, version 1, dated September<br>2019   | Dated September<br>2019              |              |
| 12. | The Gold Standard<br>Foundation | GS webpage for the project:<br><u>https://mer.markit.com/br-</u><br><u>reg/public/master-</u><br><u>project.jsp?project_id=10300000001450</u>                                  | Last accessed on 24/01/2018          | Others       |

| 13. | Proyecto Mirador<br>Foundation | VP09-02 KPT Data  | Dated 10/11/2018 | CME    |
|-----|--------------------------------|---|------------------|--------|
| 14. | Gold Standard<br>Foundation    | Toolkit Version 2.2   | -                | Other  |
| 15. | Proyecto Mirador<br>Foundation | VP09-08 Training Brochure   | -                | CME    |
| 16. | Proyecto Mirador<br>Foundation | VP09-09 Leakage Sustainability Results  | Dated 10/11/2018 | CME    |
| 17. | Proyecto Mirador<br>Foundation | VP09-10 Employee Survey Export  | Dated 10/11/2018 | CME    |
| 18. | Proyecto Mirador<br>Foundation | VP09-11 Employee questionnaire contract   | Dated 10/11/2018 | CME    |
| 19. | Proyecto Mirador<br>Foundation | VP9 -12 Quantitative Employment   | Dated 10/11/2018 | CME    |
| 20. | Proyecto Mirador<br>Foundation | VP09-13 Dropoff data  | Dated 10/11/2018 | CME    |
| 21. | Proyecto Mirador<br>Foundation | VP09 -14 Transportation summary   | Dated 10/11/2018 | CME    |
| 22. | Proyecto Mirador<br>Foundation | VP9-15 Stakeholder Comment Log (Excel file)   | Dated 10/11/2018 | CME    |
| 23. | Proyecto Mirador<br>Foundation | User Manuals (pdf) – digital scale meter,<br>humidity meter, GPS Device -Garmin   | Dated 16/01/2017 | CME    |
| 24. | ESPL                           | List of households surveyed by DOE  | -                | Others |
| 25. | Proyecto Mirador<br>Foundation | Log of feedback from users  | -                | CME    |
| 26. | IPCC                           | IPCC Guidelines for National Greenhouse<br>Gas Inventories 2.1<br>( <u>http://www.ipcc-</u><br>nggip.iges.or.jp/public/2006gl/pdf/2_Volum<br>e2/V2_2_Ch2_Stationary_Combustion.pdf) | Vol. 2           | Others |
| 27. | UNFCCC                         | Standard for Sampling and surveys for<br>CDM project activities and programmes of<br>activities   | Ver.7            |        |
| 28. | Proyecto Mirador<br>Foundation | http://www.nativeenergy.com/travel.html   | -                | CME    |
| 29. | Proyecto Mirador<br>Foundation | VP9-17 training data'   |                  | CME    |
| 30. | Proyecto Mirador<br>Foundation | Garmin eTrex 20 (gps device)  | -                | CME    |
| 31. | Proyecto Mirador<br>Foundation | Humidity Meter Specifications (Calibration check key and instructions)  | -                | CME    |
| 32. | Amazon                         | Digital Scale Specification   | -                | CME    |
| 33. | Proyecto Mirador<br>Foundation | GS transition document  | 30/01/2019       | CME    |
| 34. | Proyecto Mirador<br>Foundation | VP9-02 KPT data   |                  | CME    |

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

#### Table 1. CARs and CLs from this verification

|  | 01   | Section no.  | Monitoring Report VP9  | Date: 06/12/2018   |
|--|--|--|--|--|
|  |  |  | Version 1 dated 9 <sup>th</sup>  | <b>Date :</b> 00/12/2010   |
|  |  |  | November 2018 and  |  |
|  |  |  |  |  |
|  |  |  | version 2 dated 04   |  |
|  |  |  | December 2018  |  |
| Descriptio   | n of CL  |  |  |  |
| lease pro  | vide information o   | on key changes betwe   | en the version 1 and versior   | a 2 of the monitoring reports  |
| lated 09th   | November 2018  | and 04th December 2  | 018 submitted to Earthood, i   | including the changes in the   |
| orrespond  | ling list of annexu  | ires.  |  |  |
| Project pa   | rticipant respon   | se   |  | Date : 18/12/2018  |
|  |  |  | se of the monitoring period,   | changes were made to   |
|  |  | ey figures include:  | <b>31</b>  | 5  |
|  |  |  | construction totals for Octol  | ber & November.  |
|  |  |  | flect all surveys collected in   |  |
|  |  |  | al stove construction figures  |  |
|  |  |  |  |  |
|  |  |  | nt for final stove construction  |  |
|  |  | eadsheet updated and   | I ER figures updated in Mon  | toring Report to reflect final   |
| tigi   | ures.  |  |  |  |
| -  |  |  |  |  |
| -  |  |  |  |  |
|  |  | by project participant   |  |  |
| • Re   | vised Monitoring   | oy project participant<br>Report (v2 dated 18 D  |  |  |
| Re DOE asses   | vised Monitoring<br>ssment   | Report (v2 dated 18 D  | December 2018)   | Date: 18/12/2018   |
| Re DOE asses   | vised Monitoring<br>ssment   | Report (v2 dated 18 D  |  |  |
| Re DOE asses   | vised Monitoring<br>ssment   | Report (v2 dated 18 D  | December 2018)   |  |
| Re     Re     Report date  | vised Monitoring<br>ssment   | Report (v2 dated 18 E  | December 2018)   | 3  |
| Re     Report date     CL ID   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02   | Report (v2 dated 18 D  | December 2018)<br>s closed, 18 December 2018   |  |
| Re     Report date     CL ID   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02   | Report (v2 dated 18 E  | December 2018)<br>s closed, 18 December 2018   | 3  |
| Re     DOE asses     Report date     CL ID     Descriptio  | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL  | Report (v2 dated 18 E<br>r 2018 checked, CL1 is  | December 2018)<br>s closed, 18 December 2018   | 3  |
| Re     DOE asses     Report date     CL ID     Descriptio     Data and P   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>varameters Monito   | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.   | December 2018)<br>s closed, 18 December 2018<br>D.2.   | Date : 06/12/2018  |
| Report date CL ID Descriptio Data and P D 7 / Pp,b   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>,y - Average daily   | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.   | December 2018)<br>s closed, 18 December 2018<br>D.2.   | 3 Date : 06/12/2018  |
| Re     DOE asses     Report date     CL ID     Descriptio     Data and P     D 7 / Pp,b     Gurvey data  | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>y - Average daily<br>a is tabulated in t   | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.   | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p   | 3 Date : 06/12/2018  |
| Report date     DOE asses     Report date     CL ID     Descriptio     Data and P     D 7 / Pp,b     Survey date     ER Calcula  | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>,y - Average daily<br>a is tabulated in the<br>tions.xlsx," "Assu  | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>y dry wood fuel reducti<br>he attachment titled "V<br>umption" worksheet, C  | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p<br>ell G20.                                   | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01   |
| Report date     CL ID     Descriptio     Data and P     D 7 / Pp,b     Survey data     ER Calcula     The values   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>varameters Monito<br>y - Average daily<br>a is tabulated in the<br>tions.xlsx," "Assu<br>provided in the a  | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>y dry wood fuel reducti<br>he attachment titled "V<br>Imption" worksheet, Co<br>annexure do not match  | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p   | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01   |
| Report date     CL ID     Descriptio     Data and P     D 7 / Pp,b     Survey data     ER Calcula     The values   | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>,y - Average daily<br>a is tabulated in the<br>tions.xlsx," "Assu  | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>y dry wood fuel reducti<br>he attachment titled "V<br>Imption" worksheet, Co<br>annexure do not match  | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p<br>ell G20.                                   | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01   |
| • Re<br><b>DOE asses</b><br>Report date<br><b>CL ID</b><br><b>Descriptio</b><br>Data and P<br><b>D 7 / Pp,b</b><br>Survey data<br>ER Calcula<br>The values<br>clarify the r<br><b>Project pa</b> | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>varameters Monito<br>,y - Average daily<br>a is tabulated in the<br>titions.xlsx," "Assu<br>provided in the a<br>eason for the disc   | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>dry wood fuel reducti<br>he attachment titled "V<br>imption" worksheet, Ca<br>annexure do not match<br>crepancy.   | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p<br>ell G20.<br>n the ones reported in the mo  | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01<br>ponitoring report/ Please<br>Date : 18/12/2018   |
| Report date     Report date     CL ID     Descriptio     Data and P     ID 7 / Pp,b     Survey data     ER Calcula     The values     clarify the r      Project pa                              | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>varameters Monito<br>,y - Average daily<br>a is tabulated in the<br>titions.xlsx," "Assu<br>provided in the a<br>eason for the disc   | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>dry wood fuel reducti<br>he attachment titled "V<br>imption" worksheet, Ca<br>annexure do not match<br>crepancy.   | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p<br>ell G20.                                   | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01<br>ponitoring report/ Please<br>Date : 18/12/2018   |
| • Re<br>DOE asses<br>Report date<br>CL ID<br>Descriptio<br>Data and P<br>D 7 / Pp,b<br>Survey data<br>ER Calcula<br>The values<br>clarify the r<br>Project pa<br>There was                       | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>,y - Average daily<br>a is tabulated in the<br>tions.xlsx," "Assu<br>provided in the a<br>eason for the disc<br>rticipant respon<br>a typo in ID 7 uno                         | Report (v2 dated 18 E<br>r 2018 checked, CL1 is<br>Section no.<br>Ored<br>/ dry wood fuel reducti<br>he attachment titled "V<br>umption" worksheet, Co<br>annexure do not match<br>crepancy.<br>Se<br>der "Value of monitore   | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes<br>/P9-02 KPT Data.xlsx" and p<br>ell G20.<br>in the ones reported in the mo | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01<br>phitoring report/ Please<br>Date : 18/12/2018<br>ow been corrected to align                              |
| • Re<br>DOE asses<br>Report date<br>CL ID<br>Descriptio<br>Data and P<br>D 7 / Pp,b<br>Survey data<br>ER Calcula<br>The values<br>clarify the r<br>Project pa<br>There was<br>with the find      | vised Monitoring<br>ssment<br>ed 18 <sup>th</sup> December<br>02<br>n of CL<br>Parameters Monito<br>y - Average daily<br>a is tabulated in the<br>titions.xlsx," "Assu<br>provided in the a<br>eason for the disc<br>rticipant respon<br>a typo in ID 7 und<br>al figure in the EF | Report (v2 dated 18 E         r 2018 checked, CL1 is         r 2018 checked, CL1 is         Section no.         ored         / dry wood fuel reducti         he attachment titled "Numption" worksheet, Comment titled "Numption" worksheet, Commence         annexure do not match crepancy.         se         der "Value of monitore R Calculations worksheet | December 2018)<br>s closed, 18 December 2018<br>D.2.<br>ion per person-meal (tonnes /P9-02 KPT Data.xlsx" and p ell G20.<br>n the ones reported in the mo        | Date : 06/12/2018<br>/household/day)<br>parameter flows to "VP9-01<br>ponitoring report/ Please<br>Date : 18/12/2018<br>ow been corrected to align<br>t, cell G20. The correct |

### Documentation provided by project participant

N/A

**DOE** assessment

Date: 18/12/2018 The correctly values match with the ER calculation worksheet, CL2 closed. 18 December 2018

#### 

|   |  |   |  | CDM-PoA-VCR-FORM  |
|---|--|---|--|---|
| CL ID   | 03   | Section no.   | D.2.   | Date: 06/12/2018  |
|   | ption of CL  |   |  |   |
| Data a  | nd Parameters Monito   | red   |  |   |
| ID 8 / I  | Jp,y   |   |  |   |
|   |  |   |  |   |
| 1.  | · · ·  | off) rate - the numbe   | r of stoves that have  | fallen out of use in a given age  |
| ~   | group  |   |  |   |
| 2.  | louing figures house he  | on onalised for the m   | anitarad aumaulativa   | here de nor entretes en ried for the  |
|   | rification Period:   | en applied for the m  |  | abandonment rates applied for the   |
| Surve   | Year 0 1   | 4%  |  |   |
|   | Year 1_2   | 6%  |  |   |
|   | Year 2_3   | 13%   |  |   |
|   | Year 3_4   | 16%   |  |   |
|   | Year 4_5   | 20%   |  |   |
|   | Year 5_6   | 23%   |  |   |
|   |  |   |  |   |
|   |  |   |  | groups of 3-4, 4-5 and 5-6 to those   |
|   |  |   |  | %). Please explain the reason for   |
| this rec  | duction in drop off rates  | s in the age groups r   | eferred above.   |   |
| <b>D</b> ### := #                               | t norticinent roomone  | •   |  | Data - 10/10/2010   |
|   | t participant respons  |   | and in dranaff during  | Date : 18/12/2018the 9th VP. They are as follows:   |
| 1.  |  |   |  | structural upgrades to the plancha  |
| 1.  |  |   |  | the creditable stove universe.  |
| 2   |  |   |  | the inspector visits each household   |
| ۷.  |  |   |  |   |
|   | and assesses the an  | nronriateness of the  |  |   |
|   |  |   | household to receive   | a cookstove. If approved, the   |
|   | inspector determines   | the best location for   | household to receive<br>the cookstove before   | a cookstove. If approved, the e construction can be approved.   |
|   | inspector determines<br>Optimizing the location  | the best location for   | household to receive<br>the cookstove before<br>nts problems with eff  | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement   |
|   | inspector determines<br>Optimizing the location  | the best location for   | household to receive<br>the cookstove before<br>nts problems with eff  | a cookstove. If approved, the e construction can be approved.   |
| 3.  | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.  | the best location for<br>on of the stove preve<br>and wind direction, w   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func  | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces  |
| 3.  | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado  | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to l   | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement   |
| 3.  | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen  | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func<br>based "help line" to i<br>ding 2 out of every 5   | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about  |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and co<br>reducing abandonme  | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama   | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and  |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and support<br>making repairs and correducing abandonme<br>Ejecutores (stove context)   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to i<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto   | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>stionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador   |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and co<br>reducing abandonme<br>Ejecutores (stove con<br>implemented a policy   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>nstruction contractor<br>by which Ejecutores   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador b   | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned                                      |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and of<br>reducing abandonme<br>Ejecutores (stove con<br>implemented a policy<br>during the first year of   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>by which Ejecutores<br>of construction. This   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador b<br>incentivized the Ejec  | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and op<br>reducing abandonme<br>Ejecutores (stove con<br>implemented a policy<br>during the first year of<br>it is that their Technic   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>by which Ejecutore<br>of construction. This<br>cians properly build t  | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador b<br>incentivized the Ejec  | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important   |
| 4.  | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and of<br>reducing abandonme<br>Ejecutores (stove con-<br>implemented a policy<br>during the first year of<br>it is that their Technic<br>thus improving long to  | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>of y which Ejecutores<br>of construction. This<br>cians properly build to<br>erm outcomes.   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador b<br>incentivized the Ejec<br>he stove and properly                       | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important |
|   | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and op<br>reducing abandonme<br>Ejecutores (stove con<br>implemented a policy<br>during the first year of<br>it is that their Technic   | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>of y which Ejecutores<br>of construction. This<br>cians properly build to<br>erm outcomes.   | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador b<br>incentivized the Ejec<br>he stove and properly                       | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important   |
| <i>4.</i><br>5.                                 | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and co<br>reducing abandonme<br>Ejecutores (stove con<br>implemented a policy<br>during the first year of<br>it is that their Technic<br>thus improving long to<br>Continuous improver  | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>by which Ejecutores<br>of construction. This<br>cians properly build t<br>erm outcomes.<br>ment to supervisory t                           | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador be<br>incentivized the Eject<br>he stove and properly<br>raining regimes. | e a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important |
| 4.<br>5.<br><b>Docun</b>                        | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado<br>cookstoves, and sup<br>making repairs and of<br>reducing abandonme<br>Ejecutores (stove con-<br>implemented a policy<br>during the first year of<br>it is that their Technic<br>thus improving long to  | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractor<br>by which Ejecutores<br>of construction. This<br>cians properly build t<br>erm outcomes.<br>ment to supervisory t                           | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador be<br>incentivized the Eject<br>he stove and properly<br>raining regimes. | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned<br>utores to emphasize how important   |
| 4.<br>5.<br><u>Docun</u><br><u>N/A</u><br>DOE a | inspector determines<br>Optimizing the location<br>relative to roof slope<br>abandonment.<br>In early 2018 Mirado,<br>cookstoves, and support<br>making repairs and correducing abandonme<br>Ejecutores (stove conting abandonme<br>Ejecutores (stove conting abandonme<br>tiplemented a policy<br>during the first year of<br>it is that their Technic<br>thus improving long to<br>Continuous improver<br>mentation provided by<br>ssessment | the best location for<br>on of the stove preve<br>and wind direction, w<br>r implemented a text<br>ervisors began spen<br>listributing replacement.<br>Instruction contractors<br>by which Ejecutores<br>of construction. This<br>cians properly build the<br>erm outcomes.<br>ment to supervisory to<br>project participan | household to receive<br>the cookstove before<br>nts problems with eff<br>which maximizes func-<br>based "help line" to r<br>ding 2 out of every 5<br>ent parts, thus drama<br>s) are paid by the sto<br>s must pay Mirador be<br>incentivized the Ejec<br>he stove and properly<br>raining regimes.  | a cookstove. If approved, the<br>e construction can be approved.<br>ficiency due to chimney placement<br>ctionality and thus reduces<br>receive complaints about<br>work days visiting problem stoves,<br>tically improving outcomes and<br>ve. In early 2018 Mirador<br>ack for any stove that is abandoned  |

|                 |                      |   |                      | CDM-PoA-VCR-FORM   |
|-----------------|----------------------|---|----------------------|--|
| CL ID           | 04                   | Section no.   | D.2.                 | Date : 06/12/2018  |
| Descriptio      | n of CL              |   |                      |  |
| Data and P      | arameters Monitor    | ed  |                      |  |
|                 |                      | to Transportation                                       |                      |  |
| Mileage rec     | cords; transportatio | n and maintenance                                       | records              |  |
| Trananartat     | tion records for all | Miradar vahialaa ara                                    | tabulated in the a   | ttoohmont "\/D0.14 Trononortotion  |
|                 |                      |   |                      | ttachment "VP9-14 Transportation<br>km (or 176,379 miles) during the 9th   |
| Verification    |                      |   |                      |  |
| <b>-</b>        |                      | / I /· \· /I  | р., , ц              |  |
|                 |                      |   |                      | ed by different vehicles during the<br>I to the previous monitoring period |
|                 |                      | ase clarify the reaso                                   |                      |  |
| •               |                      | -   |                      |  |
|                 | rticipant response   |   |                      | Date : 18/12/2018  |
|                 |                      |   |                      | r transporting materials to their job<br>volved in the route planning.     |
| 31163 111 31116 | all pickups, one loa |   | much enciency m      | volved in the route planning.  |
|                 |                      |   |                      | Ittle supplies to job sites using  |
|                 |                      |   |                      | by taking much of the burden off the                                       |
| Ejecutores,     | we have been abl     | e to dramatically rec                                   | luce transit times a | and overall distance.  |
| That said, t    | he large deliverv tr | ruck creates higher e                                   | missions than the    | small trucks. To account for this, we                                      |
|                 |                      |   |                      | reflect three types of vehicle   |
|                 |                      |   |                      | n online carbon calculator was used to                                     |
|                 |                      |   |                      | The result is that the project emitted                                     |
|                 |                      | ransportation during<br>claimed, so it is disre         |                      | n Period. That figure equates to   |
| 0.0470 01 11    |                      |   | garded as de min     | inis.  |
|                 |                      |   |                      | evised attachment "VP9-14  |
|                 |                      |   |                      | drove 293,374 km (or 182,294 miles)  |
|                 |                      | fiod. Corresponding<br>he 9 <sup>th</sup> VP (de minimi |                      | 5.44 tonnes, which equates to 0.04%  |
| 01 10181 proj   |                      |   | 5).                  |  |
| Documenta       | ation provided by    | project participant                                     | t                    |  |
|                 | 9-14 Transportatio   |   |                      |  |
|                 |                      |   |                      | erations) showing breakdown of   |
|                 | 5                    | cks vs. delivery truck<br>an Carlos Guzman (            |                      | isors) showing mileage from  |
|                 |                      | to include actuals for                                  |                      |  |
| •               | ····                 |   |                      |  |
| DOE asses       |                      |   |                      | Date: 18/12/2018   |
|                 | documentation wa     | s checked, and the                                      | values verified on   | site too. CL4 is closed, 18 December                                       |
| 2018.           |                      |   |                      |  |
| FAR ID          | 05                   | Section no.   |                      | Date : 15/05/2019  |
| Descriptio      | n of FAR             |   |                      |  |
|                 |                      |   |                      | e that the of age of stove during user                                     |
|                 |                      |   | mpliance with the    | TPDDTEC methodology.   |
| Project pai     | rticipant response   | 9   |                      | Date : xx  |
|                 | ation provided by    | project participan                                      | t                    |  |
| ХХ              |                      |   |                      |  |
| DOE asses       | ssment               |   |                      | Date: xx   |
| ХХ              |                      |   |                      |  |

There are no CARs issued.

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### Document information

| ersion Da    | Date   | Description             |  |
|--------------|--|-------------------------|--|
| 1.0 5        | 5 June 2015  | Initial publication.    |  |
| ocument Typ  | ass: Regulatory<br><sup>-</sup> ype: Form<br>unction: Issuance |                         |  |
| usiness Func |  | erifying and certifying |  |