

**TEMPLATE**

# KEY PROJECT INFORMATION & PROGRAMME DESIGN DOCUMENT (POA-DD)

---

PUBLICATION DATE **14.10.2020**

VERSION **v. 1.1**

RELATED DOCUMENTS

– **TEMPLATE GUIDE Key Project Information & PoA Design Document v.1.1**

---

This document contains the following Sections

Key Project Information

Section A – General description of PoA

SECTION B - Management System and Inclusion Criteria

SECTION C – Demonstration of additionality

SECTION D – Duration of PoA

SECTION E – Safeguarding principles assessment

SECTION F - Outcome of Stakeholder Consultations

Appendix 1 – Contact information of coordinating/managing entity and responsible person(s)/ entity(ies)

## KEY PROJECT INFORMATION

|                                                          |                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GS ID of Programme</b>                                | GS7776                                                                                                                                                                                                                                    |
| <b>Title of Programme:</b>                               | Improved cook stoves and sustainable charcoal initiative                                                                                                                                                                                  |
| <b>Start Date of POA</b>                                 | 07/06/2018                                                                                                                                                                                                                                |
| <b>Date of Design Certification</b>                      |                                                                                                                                                                                                                                           |
| <b>POA Period Start Date</b>                             | 29/10/2019                                                                                                                                                                                                                                |
| <b>Version number of the PoA-DD</b>                      | 5.0                                                                                                                                                                                                                                       |
| <b>Completion date of the PoA-DD</b>                     | 02/04/2021                                                                                                                                                                                                                                |
| <b>Coordinating/managing entity</b>                      | Nature Club of Rajasthan                                                                                                                                                                                                                  |
| <b>Project Participants and any communities involved</b> | Nature Club of Rajasthan, atmosfair gGmbH                                                                                                                                                                                                 |
| <b>Host Country (ies)</b>                                | Republic of India                                                                                                                                                                                                                         |
| <b>Activity Requirements applied</b>                     | <input checked="" type="checkbox"/> Community Services Activities<br><input type="checkbox"/> Renewable Energy Activities<br><input type="checkbox"/> Land Use and Forestry Activities/Risks & Capacities<br><input type="checkbox"/> N/A |
| <b>Other Requirements applied</b>                        | <a href="#">Programme of Activity Requirements</a>                                                                                                                                                                                        |
| <b>Methodology (ies) applied and version number</b>      | AMS-II.G vers.12, AMS-III.BG. vers. 3 and AMS-I.E vers. 11                                                                                                                                                                                |
| <b>Product Requirements applied</b>                      | <input checked="" type="checkbox"/> GHG Emissions Reduction & Sequestration<br><input type="checkbox"/> Renewable Energy Label<br><input type="checkbox"/> N/A                                                                            |

## SECTION A. General description of PoA

### A.1. Purpose and general description of the PoA

>>

a) Policy/measure or stated goal that the PoA seeks to promote

The proposed PoA aims at reducing the fuel wood consumption of traditional stove users by disseminating improved cook stoves, mainly micro wood gasifier stoves, at subsidized prices. Moreover, the consumption of conventional charcoal by traditional charcoal users shall be reduced by providing them charcoal generated in micro wood gasifier stoves. Additionally, fuel wood consumption shall be reduced even more by providing ICS users with 100% renewable biomass as a fuel, such as waste wood from plantations. The project will purchase and organize the distribution of the renewable biomass and ensures that only sources are used that are in line with the requirements according to GS Renewable energy activity requirements vers. 1.2. The specific sources will be clarified on CPA level when the specific sources are known.

b) Framework for the implementation of the proposed PoA

The PoA is a voluntary initiative of Nature Club of Rajasthan. To date partners are atmosfair gGmbH, also Project Participant, who will provide funding and assist with Gold Standard matters, and Sapient Infotech, who will e.g. manufacture and distribute stoves at the local level. Other partners like additional stove manufacturers, stove distributors, charcoal managers etc. may be included.

The PoA will facilitate the procurement of ICSs so that the end user can obtain them at subsidized prices. Carbon revenues will be used to fund ICS distribution and to cover monitoring costs. Moreover, the PoA shall facilitate the collection of charcoal generated in ICSs from users and the sale of this charcoal to users/small and medium enterprises who would otherwise have used conventional charcoal. Optionally, users shall be provided with renewable biomass to run the ICS, allowing for saving even more conventional fuel wood.

Nature Club of Rajasthan will coordinate the PoA and monitoring or assign somebody to do so. Partners will be in charge of funding, production and distribution of stoves and the management of the logistics of charcoal collection and provision of renewable biomass.

Timeline:

| Date | Milestone |
|------|-----------|
|------|-----------|

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| 07/06/2018 | Start Date of the PoA (first notification of prior consideration Form to UNFCCC) |
| 03/09/2018 | Start of Design Consultation                                                     |
| 12/08/2018 | Local Stakeholder Consultation                                                   |
| 21/09/2018 | Start of Stakeholder Feedback round                                              |
| 10/09/2018 | Start of sales of stoves and start date of the VPA DD                            |

The PoA is a voluntary action of the CME.

## A.2. Physical/ Geographical boundary of the PoA

>>

The PoA will be located in India, the boundary of the PoA being identical to the political boundaries of the Republic of India.

Approximated geographical coordinates are 8-36° northern latitude and 68-98° eastern longitude.

CPA boundaries may be the boundaries of all India or of sub-units such as states.



Political map of India

## A.3. Technologies/measures and eligibility under Gold Standard

>>

### a) Technologies employed

One focus technology consists in micro gasifier stoves like the TLUD Gasifier Cookstove. In the Top-Lit Up-Draft (TLUD) technology, dry biomass fuel is ignited on the top of a vertical container, starting the process of pyrolysis. While a pyrolysis front moves downwards, the produced wood gas moves upwards and as it exits the stove, it is combusted in a flame appropriate for cooking. The TLUD allows for significant savings of firewood compared to traditional stoves and additionally generates charcoal. Its design ensures efficient combustion of fuel and cleaner fire; it therefore uses considerably less fuel as compared to traditional stoves. This means speedy cooking, time and fuel savings, cleaner pans, kitchen walls and indoor atmosphere. Charcoal is not combusted in the TLUD stove, it can therefore be collected and used for other purposes. The TLUD Gasifier stove, model Champion, has a thermal efficiency of 28% and a lifetime of 7 years. A 2-year unconditional warranty will be provided by the manufacturer for each stove.



Figure 1: TLUD micro gasifier stove.

The PoA is generally open for different technologies that allow energy efficient cooking with biomass. Therefore, the applied technology may differ from the one described above.

After the end of the stove, life span cookstoves whose lifetime has ended may be replaced with new project cookstoves for existing CPAs as long as they are replaced within the crediting period. However, creating a new CPA or a new project for the same purpose is not allowed.

At the end of the life span of project devices, one of the following three options will be demonstrated:

- a) Project devices are replaced with the same or more efficient devices;

- b) Project devices are retrofitted/repared i.e. essential parts of the stoves (e.g. the burning chamber) are replaced so as to meet the additional conditions described below.
- c) If none of the conditions above can be demonstrated, no emission reductions can be claimed for the stoves.

If project devices are retrofitted/repared before or at the end of the device's estimated life span, emission reductions may be claimed for these devices during the extended lifetime only if the details of the retrofits/repairs undertaken (e.g. parts replaced, specifications followed, personnel conducting the repairs and date of retrofitting) on each device are documented and in addition, one of the following options is implemented:

- a) Extended lifetime is demonstrated through a warranty from the original manufacturer, or a guarantee from a company with demonstrated experience in cookstove repair that assures the performance of the stove in its entirety comparable to the original device including with regard to efficiency, safety and indoor emissions; or
- b) Extended lifetime or the durability of the retrofitted device is demonstrated through a durability test performed according to requirements in ISO 19867-1 for durability or a comparable national standard. Certification by a relevant national standards body or an appropriate certifying agent recognized by that body (with reference to Data/Parameter Table 19 of the methodology) may be supplied based on sample tests specified by the standard applied.

## **b)Positive contribution to the SDGs**

### **Goal 1. End poverty in all its forms everywhere**

Target 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.

The stove generates charcoal during the normal cooking task as a waste product of the pyrolysis process. This charcoal can be sold by the stove users to the project partners. The selling of the charcoal generates an additional income for the households. The indicator to measure this goal will be the income generated by the sales of the charcoal.

**Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all**

7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

The project is designed to provide cleaner, safer, more affordable and more efficient cooking equipment than traditional stoves to poor household by means of carbon finance. The indicator to monitor the access to affordable and clean energy is the increase in number of households using clean cooking devices such as Improved Cook Stoves.

**Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all**

8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.

The project will lead to economic growth and employment opportunities. Jobs will be created that benefit locals. The number of jobs created will be monitored, and also evidence on the income and equal income for both men and women for the same job, will be provided. The indicator to monitor the target is the number of jobs created by the project activity.

**Goal 13. Take urgent action to combat climate change and its impacts**

13.2 Integrate climate change measures into national policies, strategies and planning

The efficient cookstoves will use less fuelwood for the cooking task and thus reduce GHG emissions compared to the traditional way of cooking. The indicator to monitor the target is the amount of the reduced GHG emissions annually through the project as contribution to a lower greenhouse gas emission development path of India.

Other possible contributions:

Since the PoA-DD is open for several stove designs, some of these stoves might be imported to the host country, or production lines for such stoves might be established in the future. The TLUD Gasifier stove is fabricated in India. As such there is no technology transfer to the host country.

**c) For eligibility under Gold Standard, please see Section B.3.**

#### A.4. Target/Indicator for each of the minimum three SDGs targeted by the POA

>>

| Sustainable Development Goals Targeted                                                                                 | Most relevant SDG Target                                                                                                                                                                    | SDG Impact Indicator (Proposed or SDG Indicator)                               |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 13 Climate Action                                                                                                      | N/A                                                                                                                                                                                         | Emission Reductions                                                            |
| 1 End poverty in all its forms everywhere                                                                              | 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.                                                            | Income for the households generated by the sales of the charcoal in INR.       |
| 7 Ensure access to affordable, reliable, sustainable and modern energy for all                                         | 7.1 By 2030, ensure universal access to affordable, reliable and modern energy services                                                                                                     | Number of households using clean cooking devices such as Improved Cook Stoves. |
| 8 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all | 8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value. | The number of jobs created by the project activity.                            |

#### A.5. Coordinating/managing entity

>>

Nature Club of Rajasthan

#### A.6. Funding sources of PoA

>>

There is no public funding from Annex I parties for this PoA. ODA Declaration was provided to the GS.

## SECTION B. MANAGEMENT SYSTEM AND INCLUSION CRITERIA

### B.1. Management System

>>

The CME, will be, inter alia, the actor responsible for

- coordinating and managing the inclusion of CPAs, confirming that all eligibility requirements are met
- coordinating and managing the implementation of the monitoring plan

Sapient Infotech (Sapient) will be one of the producers of the TLUD and probably the main distributor of ICS, however the PoA is open for several partners including stove manufacturers and stove distributors. atmosfair will probably provide funding and receive CERs, and also provide support with Gold Standard and CDM matters and the coordination with the VVB and the Gold Standard Foundation.

The following diagram represents the currently planned management structure of the PoA. This structure may still be amended and adapted for each CPA.

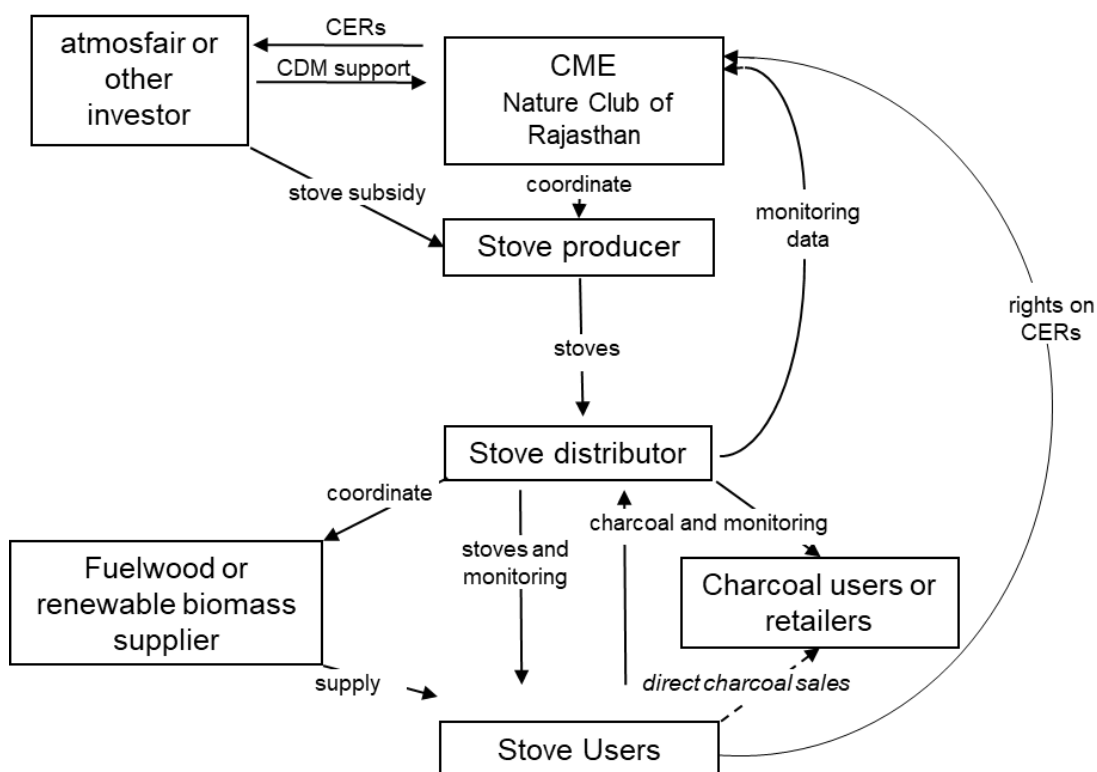


Figure 1 Management System efficient cookstove PoA India

## CPA Inclusion Management System

### i. Roles and responsibilities

The CME has the competencies to check the features of potential CPAs and ensure that each CPA meets the eligibilities criteria. There will be a person in the CME taking the final decision on CPA inclusions and coordinating monitoring and data management, for example, coordinating the numbering system of ICSs under the different CPAs to avoid double counting. The CME may decide to transfer these responsibilities to a PP.

### ii. Training and capacity development

The CME coordinates training for all the staff and external CPA implementers. Training is needed to ensure that ICS distribution occurs in accordance to the requirements of the PoA and particularly that monitoring activities are conducted as per requirements.

### iii. Procedure for CPA inclusion

Each CPA to be included into the PoA will be checked by the responsible person against eligibility criteria. The responsible person will check the following:

1. Overall general completeness of the CPA documentation (technology, institutions involved, additionality, etc.)
2. Technical review of the proposed CPA, focused on:
  - technology and baseline
  - integration in centralized monitoring system
  - CDM eligibility criteria as specified in the generic CPA-DD

### iv. Double counting

In each CPA-DD it will be stated that the CPA has not been and will not be registered neither as a single CDM project activity nor as a CPA under another PoA. The unique numbers allocated to each ICS under the PoA allow unique identification and tracking of the stove. Based on the serial numbers, a stove can only count in one CPA.

### v. Records and documentation control process for each CPA under the PoA

The CME will define a numbering system for ICSs to be. The unique numbers allocated to each ICS under the PoA allow unique identification and tracking of the stove.

An electronic record keeping system will be operated and maintained for each CPA under the PoA, which contains at least the following information per CPA:

- Name and ID of the CPA
- Date of inclusion of the CPA
- Start of CPA crediting period
- A database including all ICS distributed, specifying
  - Technology deployed (name of the ICS type)
  - Details of the agents/institutions distributing ICS at the local level for the CPA
  - Serial numbers (Stove-ID) and user data of the ICSs belonging to the CPA
  - Date of sales
- Where applicable, databases will also include information on collection of charcoal from ICS users and sales of charcoal to end users.
- Where applicable, databases will also include information on the provision of ICS users with renewable biomass, including the sources of the renewable biomass.

The record keeping system will be updated as per the progress of the CPA.

Data will be kept for the whole crediting period of the CPA and an additional two years.

**vi. Measures for continuous improvements of the PoA management system**

The CME or PP will undertake the review of the overall PoA management system, including identifying any problems with CPA inclusion or coordination of ICS distribution or monitoring. This review will take place during the verification and monitoring stage that will help the CME in obtaining an outside perspective of the overall management process.

**vii. Any other relevant elements**

Conditions to confirm that CPAs are neither registered as CDM project activities, included in another registered PoAs, nor the project activities that have been deregistered;

1. To meet this criterion, the CME will implement a record system, including the following items: Electronic record keeping system on CPA level including the following information:

- Name and ID of the CPA
  - Date of inclusion of the CPA
  - Start of CPA crediting period
  - Unique stove IDs, engraved on each stove, which are solely distributed under this CPA
  - Information on all institutions included in the implementation of the CPA (e.g. stove producer, stove distributor)
2. Sales agreements for each stove stating the unique stove ID, the contact information of stove user and the name of the PoA under which this unique ID has been distributed.
  3. A statement of the CME for each CPA-DD confirming that the CPA is neither registered as CDM project activities, included in another registered PoAs, nor the project activities that have been deregistered;

All information of point 1 and 2 will be recorded in one central electronic database.

The CME takes the decision on CPA inclusions under this PoA and coordinates monitoring and data management of the PoA.

## B.2. Application of methodologies

>>

### Methodologies applied:

The CPAs registered under the PoA may apply three small scale methodologies:

- AMS-II.G, version 121: "Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass". This methodology will be applied in any case.
- AMS-III.BG version 032: "Emission reduction through sustainable charcoal production and consumption". ER will be claimed under this methodology in activities where charcoal generated in ICS will replace conventional charcoal.

---

<sup>1</sup><https://cdm.unfccc.int/methodologies/DB/10PELMPDW951SVSW1B2NRCQEBAX96C>

<sup>2</sup><http://cdm.unfccc.int/methodologies/DB/MVOAXD3LGD4ZJEKEERCT39ZLJ3JZA0>

- AMS-I.E, version 11<sup>3</sup>: “Switch from Non-renewable biomass for thermal applications by the users”. ER will be claimed under this methodology in activities where renewable biomass will be provided to ICS users.

#### **Applicable Methodological Tools applied<sup>4</sup>**

- Tool19: Demonstration of additionality of microscale project activities (version 09.0)
- Tool20: Assessment of debundling for small-scale project activities (version 04.0)
- Tool21: Demonstration of additionality of small-scale project activities (version 13.1)
- Tool30: Calculation of the fraction of non-renewable biomass vers 02.0
- Standard for sampling and surveys for CDM project activities and programmes of activities (08.0)<sup>5</sup>

#### **Applicable GS Guidelines**

##### Stakeholder consultation and engagement Guidelines

#### **B.2.1. Multiple technologies/measures**

>>

#### **CPAs under this PoA may apply the following combinations of methodologies:**

##### **1. Combination of three methodologies:**

- AMS–II.G, version 12: “Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass”. This methodology will be applied in any case.

---

<sup>3</sup><https://cdm.unfccc.int/methodologies/DB/CU5MMCFAZCZKDP0V9DYAS7VQ56OBJW>

<sup>4</sup> <https://cdm.unfccc.int/Reference/tools/index.html>

<sup>5</sup> <https://cdm.unfccc.int/Reference/Standards/index.html>

- AMS–III.BG version 03: “Emission reduction through sustainable charcoal production and consumption”. ER will be claimed under this methodology in activities where charcoal generated in ICS will replace conventional charcoal.
- AMS-I.E, version 11: “Switch from Non-renewable biomass for thermal applications by the users”. ER will be claimed under this methodology in activities where renewable biomass will be provided to ICS users.

## 2. Combination of two methodologies:

- AMS–II.G, version 12: “Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass”. This methodology will be applied in any case.
- AMS–III.BG version 03: “Emission reduction through sustainable charcoal production and consumption”. ER will be claimed under this methodology in activities where charcoal generated in ICS will replace conventional charcoal.

## 3. One methodology:

AMS–II.G, version 12: “Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass”. This methodology will be applied in any case.

According to General guidelines for SSC CDM methodologies v23.0 para 19 (g) the combination of AMS-I.E. and AMS-II.G. (approved at EB 68) may be applied without further assessment of cross effects.

Methodology AMS-III.BG is explicitly compatible with AMS-II.G according to AMS-II.G para. 12.

## Applicability criteria for the methodologies

### 1. Small-scale project type applicable to the CPAs

- Type I: Renewable energy project activities with a maximum output capacity of 15 MW<sub>th</sub> (or an appropriate equivalent).
- Type II: Energy efficiency improvement project activities that reduce energy consumption, on the supply and/or demand side, with a maximum energy saving of 60 GWh per year (or an appropriate equivalent) in any year of the crediting period. In this context, for project activities that improve thermal energy efficiency, the maximum energy saving of 60 GWh(e) per year is equivalent to 180 GWh(th) per year saving;

- Type III: Other project activities not included in Type I or Type II that result in GHG emission reductions not exceeding 60 kt CO<sub>2</sub>e per year in any year of the crediting period.

## 2. Demonstration of qualification for microscale project type:

According to the AMS-II.G vers 12 para 53: If the generic CPA consists solely of units that qualify as "microscale CDM units"<sup>26</sup> as defined in the "TOOL19: Demonstration of additionality of microscale project activities", the conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period of the CPAs are not required.

In the CPA DD of CPAs registered under the PoA it will be demonstrated that the CPAs are solely composed of microscale CDM units below the given microscale thresholds. The Microscale thresholds are met see clarification under "Table summarizing applicability criteria" below and the distributed unites fulfilling the requirement: <600 tCO<sub>2</sub>e/y and end users are Households/communities/SMEs.

- AMS-II.G per ICS ca. 0.0125 GWh<sub>th</sub>
- AMS-III.BG per ICS ca. 1.77 tCO<sub>2</sub>/y
- AMS-I.E per ICS ca. 1.516 kW<sub>th</sub>

Therefore, the CPAs registered under the PoA do not need to demonstrate compliance with the small scale CDM thresholds at the aggregate level of the CPA, which means the CPA is not limited by the number of ICS distributed.

## **Summary of applicability criteria for the methodologies**

| Criterion                                                                                                                                                                                                                                                                                                                              | Justification of applicability                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AMS-II.G, version 12</b>                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                       |
| 2.1 Para. 2: "This methodology comprises efficiency improvements in thermal applications of non-renewable biomass. Examples of applicable technologies and measures include the introduction of high efficiency biomass fired project devices (cookstoves or ovens or dryers) to replace the existing devices and/or energy efficiency | <p>The purpose of the PoA is the distribution of improved cook stoves (ICS) consuming woody biomass, particularly micro gasifier stoves, that are highly efficient in comparison to traditional wood stoves which constitute the baseline scenario.</p> <p>All ICS will replace existing traditional wood stoves.</p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| improvements in existing biomass fired cookstoves or ovens or dryers."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2.1 Para. 3: In the case of cookstoves, the methodology is applicable to the introduction of single pot or multi pot portable or in-situ cookstoves with rated efficiency of at least 20 per cent. The Water Boiling Test (WBT) method shall be used to test the efficiency of the cookstove to meet this eligibility requirement, following the requirements indicated in "Data / Parameter table 11" which details the options for testing and certification as well as supporting documentation (e.g. certificate issued by third party or test results) that needs to be presented to the validating DOE. | ICS distributed under the PoA are portable single or multi pot stoves. The thermal efficiency of all stove technologies introduced will surpass 20%; The thermal efficiency will be tested according to AMS-II.G.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2.2 Para. 5: Non-renewable biomass has been used in the project region since 31 December 1989.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The forest cover of India has decimated from nearly 40% of India's geographical area a century ago to 22% in 1951 and to 20.55% in 2001 <sup>6</sup> . This indicates that large-scale deforestation is prevalent since 1989. Furthermore, it may be noted as per data (tables T1 and T11) from the Global Forest Resources Assessment 2010 (FRA 2010) that the wood removals (Industrial round wood removals + Woodfuel removals) have increased 23.56% from (35,055,000+ 213,169,000 =248,224,000) cubic meters in 1990 to (45,957,000+260,752,000=306,709,000) cubic meters in 2005. State of Forest Report (FSI) report in 1987 i.e., prior to 1989 clearly states for India that the firewood consumption in 1987 is estimated at 157 million tonnes or 235 million cu.m. <sup>7</sup> . However, the production of firewood from |

<sup>6</sup>State of Forest Report 2001, <<http://www.fsi.nic.in>>

<sup>7</sup><http://www.fsi.nic.in> (page 46; section 3.7)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | forests estimated by FSI (Forest Survey of India) is only 40 million cu.m. <sup>8</sup> . Thus, there was a gap of 195 million cu.m. in demand and production of firewood. Thus it is established that non-renewable biomass has been used in India since 31 December 1989, using official reports of the Government of India. Thus, it is clear from the above arguments that the wood resources in India are constrained with respect to extraction which has increase data much higher rate as compared to increase in forests (including outside forests/wooded land) and non-renewable biomass extraction is prevalent since 1989. |
| 2.2 Para. 4. The aggregate energy savings of a single project activity shall not exceed the equivalent of 60 GWh per year or 180 GWh thermal per year in fuel input.<br><br>Para. 53. If the CPA consists solely of units that qualify as "microscale CDM units" as defined in the "TOOL19: Demonstration of additionality of microscale project activities", the conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period of the CPAs are not required. | The microscale limit for Type II project units corresponds to 60 GWh of thermal energy savings. Each ICS is expected to save about 2.89 tons of woody biomass annually, corresponding to 0.0125 GWh <sub>th</sub> per year.                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2.2 Para. 6. For cases where the biomass is sourced from renewable sources, the project participants should use a corresponding Type I methodology                                                                                                                                                                                                                                                                                                                                                                                                                    | Not applicable. The purpose of the PoA is the distribution of improved cook stoves (ICS) consuming woody biomass, which is a non-renewable source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2.2 Para. 7. The CDM-PDD or CDM-PoA-DD/CPA-DD shall explain the proposed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unique numbers will be allocated to each ICS under the PoA allowing unique identification and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

<sup>8</sup><http://www.fsi.nic.in> (page 46; section 3.8)

|                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| method for distribution of project devices including the method to avoid double counting of emission reductions such as unique identifications of product and end-user locations (e.g. programme logo).                                                                                                                                                                               | tracking of the stove. Based on the serial numbers, a stove can only count in one CPA.                                                                                                                                                                                                                                |
| The CDM-PDD or CDM-PoA-DD/CPA-DD shall also explain how the proposed procedures prevent double counting of emission reductions, for example to avoid that project stove manufacturers, wholesale providers or others claim credit for emission reductions from the project devices.                                                                                                   | Charcoal users will sign agreements stating that they will not claim ER for the use of the charcoal provided under this PoA.<br>Stove users will sign agreements stating that they will not claim ER for the use of the stove and replacement of renewable biomass through renewable biomass provided under this PoA. |
| <b>AMS-III.BG, version 03</b>                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                       |
| Para. 2: This methodology is applicable to project activities that displace the use of non-renewable biomass in the production of charcoal supplied to identified consumers for thermal applications included in the project boundary.                                                                                                                                                | Not applicable since para. 3 is applicable; charcoal is produced in micro gasifier stoves as a by-product.                                                                                                                                                                                                            |
| Para. 3: This methodology is also applicable to charcoal generated as a by-product in micro-gasifier stoves using woody biomass for households cooking when used in conjunction with "AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass". Auxiliary power consumption in a blower or fan for forced convection is not covered by the methodology. | The PoA is designed explicitly for the distribution of micro-gasifier stoves using biomass for cooking and not using auxiliary power in blowers or fans, such as the TLUD technology. The PoA also applies AMS-II.G.                                                                                                  |
| Para. 4: End users of charcoal shall be: (i) households; or (ii) small and medium enterprises (SMEs); or (iii) a group of households served by a charcoal market (e.g. charcoal consuming urban areas).                                                                                                                                                                               | End users will be identified during monitoring of parameter $Q_{CCP,i,y}$ and evidence will be provided that they belong to categories (i), (ii) or (iii) as mentioned in Para. 4 of AMS-III.BG, excluding large-scale industries. Evidence will be for                                                               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>End users do not include large scale industries.</p> <p>Footnote 1: Acceptable evidence include, but are not limited to: sales records and receipts of delivery of charcoal products directly to eligible end-users, long-term contracts with an entity (retailer, cooperative, trader etc.) supplying charcoal products to the eligible end-users.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>example an undertaking of the charcoal traders that end users are SMEs, as well as balance sheets of the charcoal traders.</p>                                              |
| <p>Para. 5: Measures such as contractual agreements shall be implemented to avoid potential double counting because of potential claims of emission reductions by the end users. These measures shall be described in the Project Design Document (PDD)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>Charcoal users will sign agreements stating that they will not claim ER for the use of the charcoal provided under this PoA.</p>                                            |
| <p>Para. 6: . Project activity, except for the case indicated in paragraph 3 above, shall introduce efficient charcoal production technologies using biomass feedstock such as biomass residues to displace the production of charcoal in unimproved traditional kilns by the informal sector thereby leading to emission reductions. Charcoal production facility may include briquetting facility for the agglomeration of smaller biomass particles. Methane produced during charcoaling process is either: (a) captured and destructed or gainfully used for heat or electricity; or (b) not captured and not destructed. Examples of these technologies include but are not limited to: (a) Retort sedentary kilns<sup>2</sup> which capture the pyrolysis gas; captured gas may be gainfully used for example as a fuel for pre-heating the facility or for wood</p> | <p>Not applicable since para. 3 is applicable; para. 6 refer to charcoal production in improved kilns, while the PoA is about charcoal generated in micro gasifier stoves.</p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| drying or for production of heat and/or power; (b) Improved sedentary kilns without the capture of pyrolysis gas; (c) Casamance kilns.                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                         |
| Para. 7 Project kilns not equipped with capture and destruction of the pyrolysis gases are not eligible to claim emission reductions on account of avoidance of methane emissions from the project activity under this methodology. It is assumed that methane emissions in the project equals to methane emissions in the baseline charcoal generation process.                                                                                                | Not applicable since para. 3 is applicable; para. 7 refer to charcoal production in improved kilns, while the PoA is about charcoal generated in micro gasifier stoves. |
| Para. 8: The project activity shall install and operate new (Greenfield) charcoal production facilities characterized by a new investment; replacement and retrofit of existing facilities is not eligible under this methodology. Provisions of "General guidelines for SSC CDM methodologies" shall be applied to demonstrate that the most plausible baseline scenario is the production of charcoal in unimproved traditional kilns by the informal sector. | Not applicable since the PoA is about charcoal generated in micro gasifier stoves.                                                                                      |
| Para. 9: Charcoal manufacturing equipment transferred from existing or decommissioned charcoal production facilities are not eligible.                                                                                                                                                                                                                                                                                                                          | Not applicable since the PoA is about charcoal generated in micro gasifier stoves.                                                                                      |
| Para. 10: The biomass utilized by the project activity shall not be chemically processed, not stored for more than one year and not stored in anaerobic conditions.                                                                                                                                                                                                                                                                                             | Not applicable since no biomass is used explicitly for charcoal production; charcoal generated under this PoA is a by-product from cooking.                             |
| Para. 11: Biomass used by the project facilities is not stored for more than one year. No storage of the biomass is done in anaerobic conditions.                                                                                                                                                                                                                                                                                                               | Not applicable since no biomass is used explicitly for charcoal production; charcoal generated under this CPA is a by-product from cooking.                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Para. 12: The embedded energy in charcoal produced as by-product in micro-gasifier stoves shall be neglected when performing water boiling test as per AMS-II.G to ensure that efficiency estimates are conservative..                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Charcoal produced is not considered for calculating stove efficiency.                                                                                                                                                                                                                                                           |
| <p>The microscale limit for AMS-III.BG corresponds to 20,000 tons.</p> <p>Para. 46. If the CPA consists solely of units that qualify as “microscale CDM units” as defined in the “TOOL19: Demonstration of additionality of microscale project activities”, the conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period of the CPAs are not required.</p>                                                                                                                                                                                                                          | <p>The corresponding microscale limit of 20,000 tons of annual CO2 reduction per ICS is met, as the total amount of conventional charcoal to be replaced annually is approximately 1.77 tons per ICS.</p>                                                                                                                       |
| <b>AMS-I.E, version 11</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                 |
| <p>Para. 2: This methodology comprises of activities to displace the use of non-renewable biomass by introducing renewable energy technologies to households, communities, and/or institutions such as schools, prisons or hospitals (hereinafter referred as end-users). Examples of these technologies include, but are not limited to1:</p> <p>(a) Cookstoves using renewable biomass, such as briquettes, pellets, and woodchips;</p> <p>(b) Biogas stoves;</p> <p>(c) Bio-ethanol stoves;</p> <p>(d) Electric cookstoves<sup>2,3</sup> including induction cookstoves (hereafter electric cookstoves) that receive electricity entirely from:</p> <p>(i) An integrated renewable energy</p> | <p>Where ICS are operated with renewable biomass, they represent a renewable energy technology, comparable to biogas stoves. ICS that do not qualify as renewable technology because they do not use RB and do not claim ER under AMS-I.E will not be accounted towards AMS-I.E (however the limit of AMS-II.G will apply).</p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>generating device, grid or mini-grid that is 100 per cent powered by renewable energy sources; or</p> <p>(ii) A renewable energy system that is also connected to the grid via net-metering, where, on an annual basis, the electricity generated by the renewable energy system is larger than the annual electricity consumed by the electric cookstoves and any other loads (e.g. lighting, fans, TV) connected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                         |
| <p>Para. 3: Project participants are able to show that non-renewable biomass has been used since 31 December 1989, using survey methods or referring to published literature, official reports or statistics.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>See justification in the text under applicability of AMS-II.G.</p>                                                                                                                                   |
| <p>Para. 4: In the case that technologies using renewable biomass are used under the project activity, this methodology is applicable where all emissions related to processing of biomass are fully accounted for and biomass is sourced from biomass residues and/or a dedicated plantation of the CDM project activity, meeting the following conditions:</p> <p>(i) For projects that use biomass residues, prior to the implementation of the project activity, the biomass residues have not been collected and used but been left for decay and would, in the absence of the project activity, continue to be left for decay; and</p> <p>(ii) For projects that use biomass residues from a production process (e.g. production of sugar or wood panel boards), the implementation of the project does not result in an increase of</p> | <p>Where ICS are operated with renewable biomass, the project will supply the households with such biomass. Sources will be selected according to the AMS-I.E para 4. sources of renewable biomass.</p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>the processing capacity of raw input (e.g. sugar, rice, logs, etc.) or in other substantial changes (e.g. product change) in this process; and</p> <p>(iii) The biomass used by the project facility is not stored for more than one year; and</p> <p>(iv) In the case biomass from dedicated plantations are used, the applicability conditions of TOOL16 "Project and leakage emissions from biomass" are satisfied.</p> |                                                                                                                                                                                                           |
| <p>Para. 5: For electric cookstoves with integrated renewable energy device or with grid connected renewable energy system employing net metering, project participants shall demonstrate that, on an annual basis, at least 80% of the electricity generated is consumed by the electric cook stoves (i.e. 20% or less of electricity is consumed by other loads connected).</p>                                             | <p>Not applicable, since no electric cookstoves are distributed under the PoA.</p>                                                                                                                        |
| <p>Para. 6: For electric cook stoves, in all cases under paragraph 2(d) above where back-up diesel generators are used, this methodology is only applicable when no more than 1% of total electricity supply occurs from back up diesel generators on an annual basis.</p>                                                                                                                                                    | <p>Not applicable, since no electric cookstoves are distributed under the PoA.</p>                                                                                                                        |
| <p>Para. 7: Under this methodology, emission reductions cannot be claimed only due to fuel-switch aspect and proposed project activities shall introduce new renewable energy based technologies, i.e. technology switch is also involved.</p>                                                                                                                                                                                | <p>Where renewable energy sources are used in the Project, the project stoves will also be implemented. Thus a technology switch from traditional stove to the ICS will take place under the project.</p> |
| <p>Para. 8: Project participants shall describe in the PDD/PoA-DD the proposed method for distribution of</p>                                                                                                                                                                                                                                                                                                                 | <p>Please see avoidance of double counting under AMS-II.G.</p>                                                                                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| project devices and how the double counting of emission reductions has been addressed, for example, using methods such as unique identifications of product and end-user locations (e.g. programme logo), to prevent double counting of emission reductions from the project devices (e.g. between end users, distributors and producers of stoves, producers of renewable energy, producers of processed renewable biomass).                                                  |                                                                                                                                                                                                                                                                                                                                                                                |
| Para. 9: For project activities introducing bio-ethanol cookstoves, project participants or coordinating and managing entities shall demonstrate that the bioethanol cookstoves are designed, constructed and operated to the requirements (e.g. with regard to safety) of a relevant national or local standard or comparable literature. Latest guidelines issued by a relevant national authority or an international organisation may also be used.                        | Not applicable; no bio-ethanol cookstove will be introduced under this PoA.                                                                                                                                                                                                                                                                                                    |
| The microscale limit for AMS-I.E, corresponds to 15MW <sub>th</sub> output capacity. Para. 51. If the CPA consists solely of units that qualify as "microscale CDM units" as defined in the "TOOL19: Demonstration of additionality of microscale project activities", the conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period of the CPAs are not required. | The corresponding microscale limit for AMS-I.E, is 15MW <sub>th</sub> output capacity. Each ICS is expected to have a capacity of 1.516 kW <sub>th</sub> based on a stove firepower of 5.471 kW and an efficiency of 28%.<br><br>During verifications the DOE will assess that the microscale limits for each methodology separately was not exceeded at any time for any ICS. |
| <b>CDM TOOL 19</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                |
| This methodological tool provides                                                                                                                                                                                                                                                                                                                                                                                                                                              | The PoA uses the methodology AMS-II.G, thus                                                                                                                                                                                                                                                                                                                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>simplified modalities for demonstrating additionality for the project activity which meets one of the following criteria:</p> <p>(a) Type I: Project activities up to 5 MW that employ renewable energy as their primary technology;</p> <p>(b) Type II: Energy efficiency project activities that aim to achieve energy savings at a scale of no more than 20 GWh per year; or</p> <p>(c) Type III: Other project activities not included in Type I or Type II that aim to achieve GHG emissions reductions at a scale of no more than 20 ktCO<sub>2</sub>e per year.</p> | <p>the tool may be applied in case units in a specific CPA qualify as microscale units below the microscale thresholds for Type II (20 GWh energy savings per year).</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>This tool covers all technologies/measures that meet the conditions in paragraphs 11-13 below irrespective of the scale of the approved CDM methodology applied to the project activity.</p>                                                                                                                                                                                                                                                       | <p>The generic CPA distributes energy efficient cookstoves, which qualify as technology under paragraph 12 (b) (i) "High efficiency biomass fired devices (e.g. energy efficient cookstoves"</p>                                                                                                                                                                                                                        |
| <p>A project activity with more than one component, where each component meets the microscale threshold, is eligible as microscale CDM project activity. The sum of the size of components of a project activity belonging to the same type (i.e. installed capacity for Type I, energy savings for Type II and emission reductions for Type III) shall not exceed the microscale thresholds for the respective type.</p>                             | <p>According to AMS-II.G Para. 53.: If the CPA consists solely of units that qualify as "microscale CDM units" as defined in the "TOOL19: Demonstration of additionality of microscale project activities", the conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period of the CPAs are not required.</p> |
| <p>The tool is not applicable to technologies/measures included in approved methodologies "AMS-III.V: Decrease of coke consumption in blast furnace by installing dust/sludge recycling system in steel works", "AMS-III.P: Recovery and utilization of waste gas in refinery facilities", "AMS-III.Q: Waste Energy Recovery (gas/heat/pressure) Projects" and "AMS-III.W: Methane capture and destruction in non-hydrocarbon mining activities".</p> | <p>The PoA uses methodologies AMS-II.G, AMS-I.E and AMS-II.BG. Therefore the tool may be applied.</p>                                                                                                                                                                                                                                                                                                                   |
| <p>Microscale CDM project activities shall demonstrate that they are not a debundled component of a small-scale (SSC) CDM project activity by applying the criteria in the methodological tool "TOOL20: Assessment of debundling for SSC project activities", for example by suitably considering microscale thresholds in the place of SSC</p>                                                                                                       | <p>The PoA uses the methodology AMS-II.G, AMS-I.E and AMS III.BG. Thus the tool may be applied in case units in a specific CPA qualify as microscale units below the microscale thresholds for Type II (20 GWh energy savings per year), for Type I (5 MW) or for Type III (20 ktCO<sub>2</sub>e per year).</p>                                                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| thresholds (EB 62, para 48). In the case of bundled projects, microscale CDM project activity refers to individual projects within the bundle and requirement under paragraph 103 of the TOOL20 is not applicable.                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CDM TOOL 20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| This methodological tool provides a step-wise approach for the determination of the occurrence of debundling for the proposed small-scale project activities and small-scale CPAs.                                                                                                                                                                                                                                                                     | The tool may be applied in case units in a specific CPA do not qualify as microscale units for the determination of the occurrence of debundling for the proposed small-scale project activities and small-scale CPAs.                                                                                                                                                                                                              |
| This methodological tool is applicable to proposed small-scale project activities and small-scale CPAs in order to check whether they are debundled components of largescale project activities.                                                                                                                                                                                                                                                       | The tool may be applied in case units in a specific CPA do not qualify as microscale units for the determination of the occurrence of debundling for the proposed small-scale project activities and small-scale CPAs.                                                                                                                                                                                                              |
| <b>CDM TOOL 21</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| This methodological tool provides a general framework for demonstrating and assessing additionality and is applicable to a wide range of project types.                                                                                                                                                                                                                                                                                                | The tool may be applied in case automatic additionality for microscale units is not applicable.                                                                                                                                                                                                                                                                                                                                     |
| In validating the application of this methodological tool, Designated Operation Entities (DOEs) shall carefully assess and verify the reliability and creditability of all data, rationales, assumptions, justifications and documentation provided by project participants to support the demonstration of additionality. The elements checked during this assessment and the conclusions shall be documented transparently in the validation report. | For CPA specific application of this tool, DOEs will carefully assess and verify the reliability and creditability of all data, rationales, assumptions, justifications and documentation provided by project participants to support the demonstration of additionality. The elements checked during this assessment and the conclusions will be documented transparently in the validation report. Thus, the tool may be applied. |
| The use of the methodological tool "Demonstration of additionality of small-                                                                                                                                                                                                                                                                                                                                                                           | This PoA does not propose new methodologies, thus the tool may be applied.                                                                                                                                                                                                                                                                                                                                                          |

|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| scale project activities” is not mandatory for project participants when proposing new methodologies. Project participants and coordinating/managing entities may propose alternative methods to demonstrate additionality for consideration by the Executive Board.                                                                                |                                                                                                                                                                                                                                                               |
| Project participants and coordinating/managing entities may also apply “TOOL19: Demonstration of additionality of microscale project activities” as applicable.                                                                                                                                                                                     | Tool 19 may be applied in case units in a specific CPA under this generic CPA qualify as microscale units below the microscale thresholds for Type II (20 GWh energy savings per year) , for Type I (5 MW) or for Type III (20 ktCO <sub>2</sub> e per year). |
| <b>CDM TOOL 30</b>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| This tool provides guidance and a step-wise procedure/method to calculate values of $f_{NRB}$ . The tool may be applied when calculating baseline emissions in applicable methodologies (e.g. AMS-I.E, AMS-II.G, AMS-III.Z, AMS-III.AV) for a project activity or a Programmes of Activities (PoA) that displaces the use of non-renewable biomass. | The generic CPA uses the methodology AMS-II.G and AMS-I.E, thus the tool may be applied.                                                                                                                                                                      |
| This tool may be used by:<br>(a) DNAs to submit region/country-specific default $f_{NRB}$ values, following the procedures for development, revision, clarification and update of standardized baselines (SB procedures);<br>or<br>(b) project proponents to calculate project or PoA-specific $f_{NRB}$ values.                                    | This tool may be used by:<br>(b) project proponents to calculate project or PoA-specific $f_{NRB}$ values.                                                                                                                                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project participants and DNAs shall identify and clearly delineate the applicable area for which $f_{NRB}$ is determined. For project- or PoA-specific $f_{NRB}$ values, project participants shall assess and use the area from which woody biomass is sourced for end-users included in the project activity and justify the selection of the area in CDM project design documents. For region- or country-specific $f_{NRB}$ values, DNAs shall specify the applicable area. | For CPA specific $f_{NRB}$ values, the PP will assess the area where biomass is sourced and justify the selection of the area in CDM project design documents. |
| <b>Stakeholder consultation and engagement Guidelines</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                |
| All Gold Standard projects shall “take gender issues into account”. This requires local stakeholder consultation processes to reach a wide range of community representatives in ways that ensure equal and effective participation of both women and men, and that gender issues are fully factored into comprehensive social and environmental impact assessments.”                                                                                                           | The PoA is a Gold Standard PoA. Thus the Guidelines are applicable.                                                                                            |

### B.3. Eligibility criteria for inclusion of a VPA in the PoA

| No.                                                                                            | Eligibility Criterion   | Description/<br>Required condition                                                                                                                                                                 | Means of<br>Verification/Supporting<br>evidence<br>for inclusion                                                                                                                                                   |
|------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Eligibility Criteria as of section 3.1.1 of GS4GG Principles &amp; Requirements</b> |                         |                                                                                                                                                                                                    |                                                                                                                                                                                                                    |
| 1                                                                                              | <b>Types of Project</b> | Eligible projects shall include physical action/implementation on the ground<br><br>As per community Services Activity Requirements, version 1.2, section 3.1.1 b). The project qualifies for end- | Evidence for inclusion:<br><br>The CPA DD will include a project description showing that the project distributes improved cookstoves to households in India, which qualifies as physical action/implementation on |

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | <p>use energy efficiency: Project activities that reduce energy requirements as compared to baseline scenario without affecting the level and quality of services or products, where the end-user of the products and services are clearly identified and when the physical intervention is required at the user end. For example, efficient cooking, heating, lighting, etc.</p>                                                                                                                                                                                                                                                                                                                                                        | <p>the ground.</p> <p>The CPA DD will include a description of the project showing that it qualifies as end-use energy efficiency project through the distribution of efficient cooking devices.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>2 Location of Project</b>                      | <p>The geographical boundary of the PoA is the Republic of India. The PoA and all CPAs will be implemented within the boundaries of the Republic of India.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>Evidence for inclusion: The CPA DD will include a description of the geographical boundary showing that the CPA is implemented within the boundary of the PoA.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>3 Project Area, Project Boundary and Scale</b> | <p>The Project Area and Project Boundary shall be defined.</p> <p>Projects may be developed at any scale.</p> <p>In order to avoid double counting the Project shall not be included in any other voluntary or compliance standards programme unless approved by Gold Standard (for example through dual certification).</p> <p>Also, if the Project Area overlaps with that of another Gold Standard or other voluntary or compliance standard programme of a similar nature, the project shall demonstrate that there is no double counting of impacts at design and performance certification (for example use of similar technology or practices through which the potential arises for double counting or misestimating impacts</p> | <p>Evidence for inclusion: The CPA DD will define The Project Area and Project Boundary.</p> <p>The Scale of the CPA will be defined in the CPA DD.</p> <p>CPA DD confirming that the CPAs are not registered under any other offset Scheme, except the GS and the CDM and that CPAs are neither registered as CDM Project activities, included in other PoAs nor are they project activities that have been deregistered.</p> <p>Avoidance of double counting: An unique numbering or identification system for the stoves disseminated is applied. Through these unique IDs the stoves can be unequivocally allocated to the project and no double counting with other projects is possible.</p> |

amongst projects).

|                                    |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4 Host Country Requirements</b> | Projects shall be in compliance with applicable Host Country's legal, environmental, ecological and social regulations.                                                                                                                                                                                                 | Evidence for inclusion:<br>The CPA DD will contain the following information: In accordance with Federal Republic of India regulations, an EIA is not required for the distribution and implementation of ICS, the substitution of conventional charcoal and the substitution of non-renewable biomass; this technology and methods are not included in the relevant Notification of the MINISTRY OF ENVIRONMENT AND FORESTS, New Delhi 14/09/2006, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii). The project complies with all legal regulations of the host country.<br>The project is in compliance with the host country's legal, environmental, ecological and social regulations. |
| <b>5 Contact Details</b>           | As part of the Project Developer shall provide (i) name and (ii) contact details of all Project Participants; AND in case of an organisation (iii) the legal registration details and (iv) documentation by the governing jurisdiction that proves that the entity is in good standing.                                 | Evidence for inclusion:<br>CPA DD will contain contact details of all Project Participants and other relevant documents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>6 Legal Ownership</b>           | Full and uncontested legal ownership of any Products that are generated under Gold Standard Certification, (for example carbon credits) shall be demonstrated. Where such ownership is transferred from project beneficiaries this must be demonstrated transparently and with full, prior and informed consent (FPIC). | Evidence for inclusion:<br>CPA DD will contain information on the legal ownership of GS CERs generated by the CPA, such as e.g. User sales contracts showing the user's agreement to cede their rights for carbon credits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>7 Other Rights</b>              | As well as legal title and ownership, the Project                                                                                                                                                                                                                                                                       | Evidence for inclusion:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                           | Developer shall also demonstrate where required uncontested legal rights and/or permissions concerning changes in use of other resources required to service the Project (for example, access rights, water rights etc.). Any known disputes or contested rights must be declared immediately to Gold Standard by the Project Developer and resolved prior to further project implementation in affected areas.                                     | CPA DD will contain a project description showing that the Project distributes improved cookstoves to households in India. No other legal rights and/or permissions concerning changes in use of other resources required to service the Project are affected.                                                                                  |
| <b>8 Official Development Assistance (ODA) Declaration</b>                                                                                                                | All Project Developers applying for project activities located in a country named by the OECD Development Assistance Committee's ODA recipient list and seeking Gold Standard Certification for carbon credits shall declare the Official Development Assistance (ODA) support. The Project Developer shall follow the GHG Emissions Reduction & Sequestration Product Requirements and submit the declaration at the time of Design Certification. | Evidence for inclusion:<br>ODA declaration                                                                                                                                                                                                                                                                                                      |
| <b>Additional eligibility criteria from the CDM scheme</b>                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |
| <b>9 Specification of the technology/measure such as the level and type of service, as well as performance specification based on, inter alia, testing/certification;</b> | CPAs under this PoA will consist in the distribution of ICS with a thermal efficiency of at least 20% to users cooking with non-renewable biomass in the baseline scenario. Where charcoal is generated under the PoA, it must be generated in ICS of the type micro gasifier stoves, without auxiliary power consumption in a blower or fan for forced convection.<br><br>Users of charcoal must                                                   | Evidence for inclusion:<br>CPA-DD, specifying on type(s) and efficiency measurement(s) the of ICS used, including, among others, a description whether ICS are fixed or portable and a specification of the capacity and approximated dimensions. Moreover, there shall be a description of the targeted group of ICS users and charcoal users. |

|           |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | be (i) households; or<br>(ii) small and medium enterprises<br>(SMEs); or (iii) a group of households served by a charcoal market (e.g. charcoal consuming urban areas). End users must not include large scale industries. |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>10</b> | <b>Conditions to check the start dates of V/CPAs through documentary evidence;</b>                                                                                                                                         | Any CPA start date shall not be before the PoA starting date which is 07.06.2018 (first notification of prior consideration Form to UNFCCC)                                                                                                                                                                                                                                    |
|           |                                                                                                                                                                                                                            | Evidence for inclusion: CPA-DD, specifying the CPA start date.<br>Moreover, evidence on the CPA start date will be provided to the DOE.                                                                                                                                                                                                                                        |
| <b>11</b> | <b>Conditions to ensure compliance with the applicability of the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents</b>                                   | For all CPAs that will be included in this PoA, compliance with the applicability of the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents and the use of multiple methodologies shall be justified.                                                                                                         |
|           |                                                                                                                                                                                                                            | Evidence for inclusion: CPA-DD.<br>Evidence for the applicability of specific methodologies described in section B.2.                                                                                                                                                                                                                                                          |
| <b>12</b> | <b>Conditions to ensure that V/CPAs meet the requirements for demonstration of additionality</b>                                                                                                                           | Additionality will be demonstrated according to the COMMUNITY SERVICES ACTIVITY REQUIREMENTS vers1.2 Annex B positive list.                                                                                                                                                                                                                                                    |
|           |                                                                                                                                                                                                                            | Evidence for inclusion:<br>It will be demonstrated in the CPA-DD registered under this PoA that:<br><br>Project activities are solely composed of isolated units where the users of the technology/measure are households or communities or institutions and where each unit results in <= 600 MWh of energy savings per year or <=600 tonnes of emission reductions per year. |

|                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>13 Target group (e.g. domestic/commercial /industrial, rural/urban, grid connected/off-grid), and where applicable, distribution mechanisms (e.g. direct installation)</b>                                                        | <p>Target groups are users of traditional stoves cooking with non-renewable biomass. Additionally, target groups can be users of charcoal: (i) households; or (ii) small and medium enterprises (SMEs); or (iii) a group of households served by a charcoal market, but not large scale industries.</p> <p>The distribution mechanism is the direct distribution of ICS and possibly also charcoal through the CME or other project partners.</p> | <p>Evidence for inclusion: CPA-DD, describing the target groups.</p> <p>Additionally, samples of agreements to be signed with ICS users, confirming that traditional wood stoves were used for cooking in the baseline situation and samples of agreements to be signed with charcoal buyers, confirming that they are no large scale industries.</p> |
| <b>14 Conditions related to sampling requirements for the PoA</b>                                                                                                                                                                    | <p>Monitoring of all CPAs will adhere to all requirements related to sampling for a PoA in accordance with the sampling standard.</p>                                                                                                                                                                                                                                                                                                             | <p>Evidence for inclusion: CPA-DD describing the sampling plan.</p>                                                                                                                                                                                                                                                                                   |
| <b>15 Conditions to ensure that CPAs that will be included meet the small-scale or microscale thresholds and remain within those thresholds throughout the crediting period (N/A if all units qualify as "microscale CDM units")</b> | <p>Project activities are solely composed of isolated units where the users of the technology/measure are households or communities or institutions and where each unit results in <math>\leq 600</math> MWh of energy savings per year or <math>\leq 600</math> tonnes of emission reductions per year.</p>                                                                                                                                      | <p>Evidence for inclusion: Calculation in the CPA-DD showing the compliance with small-scale or microscale thresholds.</p>                                                                                                                                                                                                                            |
| <b>16 Conditions to be met by each VPA regarding SDG outcomes assessment</b>                                                                                                                                                         | <p>Each CPA will comply with the SDG outcome assessment.</p>                                                                                                                                                                                                                                                                                                                                                                                      | <p>Evidence for inclusion: CPA –DD stating the compliance with the SDG outcome assessment.</p>                                                                                                                                                                                                                                                        |
| <b>17 Conditions to be met by each VPA</b>                                                                                                                                                                                           | <p>Each CPA will comply with the safeguarding</p>                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Evidence for inclusion: CPA –DD stating the</p>                                                                                                                                                                                                                                                                                                    |

| regarding<br>safeguarding<br>principles                                                                               | Principles.                                                                                                                                                                                                                | compliance with the<br>safeguarding principles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18 Conditions to be met for CER Labelling</b>                                                                      | Each CPA will comply with the conditions to be met for CER Labelling.                                                                                                                                                      | Evidence for inclusion: GS CPA-DD and CDM-CPA DD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Eligibility Principles and Requirements According to the COMMUNITY SERVICES ACTIVITY REQUIREMENTS Version 1.2:</b> |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>19 Principle 3 – Stakeholder Inclusivity</b>                                                                       | 4.1.4 CSA projects shall have specific stakeholder consultation requirements for certain project types including, but not limited to, hydropower and projects using biomass resource as given in Annex A of this document. | <p>The PoA and the included CPAs distribute improved cookstoves to households in India and sell generated charcoal to eligible end users. Thus no specific stakeholder consultation requirements are applicable, since it is not one of the project types mentioned in Annex A of the COMMUNITY SERVICES ACTIVITY REQUIREMENTS Version 1.2 and are mentioned under the Annex B of the same document under “the positive list” for Community Services projects.</p> <p>The report “Access to Clean Cooking Energy and Electricity” from 2018<sup>9</sup> states that just 0.77% of rural households are using an improved biomass cookstove or biogas for cooking, a number which is also referred to in the report “Roadmap for Access to Clean Cooking Energy in India” from 2019. In this report it is also stated that improved</p> |

<sup>9</sup> Jain et al. 2018, p.58: Access-to-Clean-Cooking-Energy-and-Electricity-Survey of the States 2018-1

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | biomass cookstoves are not relevant for urban households, so that the penetration rate of 0.77% can be used for whole India. Therefore the adoption rate of the technology is below 20%, as per COMMUNITY SERVICES ACTIVITY REQUIREMENTS Annex B 1.1.5.                                                                                      |
| <b>20 Principle 4 – Demonstration of Real Outcomes</b>                       | <p>4.1.5 New Projects may seek Certification and receive Issuance of Gold Standard Certified Impact Statements or Products for a maximum of two Design Certification Renewal Cycles i.e., a total of 15 years issuance.</p> <p>4.1.6 Product Requirements with specific requirements for total issuance period shall supersede information in this document.</p> <p>4.1.7 Design Certification Renewal in the case of CSA projects is mandatory every 5 years as per the Principles &amp; Requirements. For the first renewal, CSA Projects are not required to reassess the Baseline Scenario.</p> | <p>The project is in the first crediting period phase.</p> <p>n.a.</p> <p>The project is in the first crediting period phase.</p>                                                                                                                                                                                                            |
| <b>21 Principle 5 – Financial Additionality &amp; Ongoing Financial Need</b> | <p>4.1.9 Projects that meet any of the following criteria are considered as deemed additional and therefore are not required to prove Financial Additionality at the time of Design Certification:</p> <ul style="list-style-type: none"> <li>(a) Positive list (Annex B of this document)</li> <li>(b) Projects located in LDC, SIDS, LLDC4</li> <li>(c) Microscale projects</li> </ul>                                                                                                                                                                                                            | <p>Evidence for Inclusion: The CPA DD will contain information showing that:</p> <p>The improved cookstoves qualify for the definition of project units in Annex B of the COMMUNITY SERVICES ACTIVITY REQUIREMENTS Version 1.2 (Positive List):</p> <p>1.1.3 Project activities solely composed of isolated units where the users of the</p> |

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                  | <p>technology/measure are households or communities or institutions and where each unit results in <math>\leq 600</math> MWh of energy savings per year or <math>\leq 600</math> tonnes of emission reductions per year.</p> <p>The Project distributes improved cookstoves to households in India. Thus the users of the technology/measure are households.</p> <p>The Project activity is solely composed of isolated units <math>\leq 600</math> MWh (0.6 GWh).</p> |
| 4.1.10 All CSA projects shall demonstrate Ongoing Financial Need | The CPA DD will contain information showing ongoing financial need.                                                                                                                                                                                                                                                                                                                                                                                                    |

## SECTION C. DEMONSTRATION OF ADDITIONALITY

>>

According to the COMMUNITY SERVICES ACTIVITY REQUIREMENTS vers1.2 Annex B positive list, in order to qualify for automatic additionality, it will be demonstrated in the CPA-DD registered under this PoA that:

Project activities are solely composed of isolated units where the users of the technology/measure are households or communities or institutions and where each unit results in  $\leq 600$  MWh of energy savings per year or  $\leq 600$  tonnes of emission reductions per year.

## SECTION D. DURATION OF POA

### D.1. Date of first submission of PoA to Gold Standard

>>

05/02/2020

## **D.2. Duration of the PoA**

>>

28 years

## SECTION E. SAFEGUARDING PRINCIPLES ASSESSMENT

### E.1. Justification for Safeguarding Principles Assessment at PoA level

>>

The safeguarding principles and SDG outcome assessment and the SDG outcome assessment are done at PoA level. The CPAs included under this PoA will deploy a similar technology, i.e. improved cook stoves. The management structure of the CPAs, the target population and other stakeholders of the CPAs will be similar.

### E.2. Assessment of safeguarding principles, if undertaken at PoA level

>>

| Safeguarding principles                            | Assessment questions                                                                                                                                                                                                                                                                                        | Assessment of relevance to the project<br>- yes<br>- potentially<br>- no | Justification                                                                                                                                                              | Mitigation measure (if required) |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1. Social and Economic Safeguarding Principles     |                                                                                                                                                                                                                                                                                                             |                                                                          |                                                                                                                                                                            |                                  |
| Principle 1:<br>Human Rights                       | Do the Project Developer and the Project disrespect internationally proclaimed human rights and are they complicit in violence or human rights abuses of any kind as defined in the Universal Declaration of Human Rights<br>The Project shall not discriminate with regards to participation and inclusion | No                                                                       | The project is a voluntary action of the project developer and the partners. Users can freely decide if they want to buy a stove and thus be part of the project activity. |                                  |
| Principle 2:<br>Gender Equality and Women's Rights | Does the Project directly or indirectly lead to/contribute to adverse impacts on gender equality and/or the situation of women? e.g. Is there a possibility that the Project might:                                                                                                                         | No                                                                       | The project will employ local women and distribute stoves to vulnerable communities.                                                                                       |                                  |

|  |                                                                                                                                                                                                                                                                                                                                                         |    |                                                                                                                                                                                                                                                                              |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <ul style="list-style-type: none"> <li>- reduce or put at risk women's access to or control of resources, entitlements and benefits?</li> <li>- adversely affect men and women in marginalised or vulnerable communities</li> <li>- is there an inequality between men and women in terms of benefitting more from the Project's activities?</li> </ul> |    |                                                                                                                                                                                                                                                                              |  |
|  | Does the project give women equal possibilities to participate in the project and in the consultation process (such as lack of time, child care duties, low literacy or educational levels, or societal discrimination)?                                                                                                                                | No | Especially women are involved in the project, since cooking is mainly done by women. Also in the factory, women will be employed. Literacy is not necessary, as the use of the stoves will be explained vocally at the time of purchase and during the consultation meeting. |  |
|  | Does the Project design contribute to an increase in women's workload that adds to their care responsibilities or that prevents them from engaging in other activities?                                                                                                                                                                                 | No | Through less time spent in wood collection and cooking the workload for women gets less.                                                                                                                                                                                     |  |
|  | Is there likelihood that the proposed Project would expose women and girls to further risks or hazards?                                                                                                                                                                                                                                                 | No | Through the project activity, the risk of exposure to gender-based violence will reduce due to the reduction in fuel wood                                                                                                                                                    |  |

|                                                                                      |                                                                                                                                                                                                                                                                 |    |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                      |                                                                                                                                                                                                                                                                 |    | gathering time and distances travelled.                                                                                                                                                                                                                                                                                                                                                                       |  |
| Principle 3:<br>Community Health, Safety and Working Conditions                      | The Project shall avoid community exposure to increased health risks and shall not adversely affect the health of the workers and the community.                                                                                                                | No | The project is a household based clean cookstove project. Thus no increased health risks or negative effects on the workers or the community is expected. To the contrary, the clean cookstoves will improve air quality by reducing indoor air pollution while cooking. Also the project does not adversely influence the health of workers. Safety provisions are taken for the assembly of the cookstoves. |  |
| Principle 4:<br>Cultural Heritage, Indigenous Peoples, Displacement and Resettlement | 4.1 Sites of Cultural and Historical Heritage:<br>Does the Project Area include sites, structures, or objects with historical, cultural, artistic, traditional or religious values or intangible forms of culture (e.g., knowledge, innovations, or practices)? | No | The project is a household based clean cookstove project, thus the project does not involve or be complicit in the alteration, damage or removal of any sites, objects or structures of significant cultural heritage. Cooking habits and dishes do not need to change.                                                                                                                                       |  |
|                                                                                      | 4.2 Forced Eviction and Displacement<br>Does the Project require or cause the physical or                                                                                                                                                                       |    | The project is a household based clean cookstove project, thus the project does not                                                                                                                                                                                                                                                                                                                           |  |

|                               |                                                                                                                                                                                           |    |                                                                                                                                                                                                     |  |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                               | economic relocation of peoples (temporary or permanent, full or partial)?                                                                                                                 |    | involve physical or economic relocation of peoples                                                                                                                                                  |  |
|                               | 4.3 Land Tenure and Other Rights<br>Does the Project require any change to land tenure arrangements and/or other rights?                                                                  |    | The project is a household based clean cookstove project, thus the project does not require change to land tenure arrangements and/or other rights                                                  |  |
|                               | 4.4 Indigenous Peoples<br>Are indigenous peoples present in or within the area of influence of the Project and/or is the Project located on land/territory claimed by indigenous peoples? |    | The project is a household based clean cookstove project, thus the project does not involve any land ownership. The project will make stoves available for all people living in the project region. |  |
| Principle 5: Corruption       | Does the Project engage in, contribute to or reinforce corruption of any kind.                                                                                                            | No | The project does not involve, is not complicit in, does not contribute inadvertently to and does not reinforce corruption or corrupt Projects.                                                      |  |
| Principle 6: Economic Impacts | 2. The Projects shall consider economic impacts and demonstrate a consideration of potential risks to the local economy and how these have been taken into account in Project design,     | No | No risks are foreseen for the local economy through the realization of the project, since stoves are not distributed for free but need be purchased by the users.                                   |  |

|               |                                                                                                                                                                                                                                                                                                                                                                                    |    |                                                                                                                                                                                                                  |  |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|               | implementation, operation and after the Project. Particular focus shall be given to vulnerable and marginalised social 12 groups in targeted communities and that benefits are socially-inclusive and sustainable.                                                                                                                                                                 |    |                                                                                                                                                                                                                  |  |
| Labour rights | 1. The Project Developer shall ensure that there is no forced labour and that all employment is in compliance with national labour and occupational health and safety laws.                                                                                                                                                                                                        | No | The project does not involve and is not complicit in any form of forced or compulsory labour. The project participants do not complicit in any form of forced or compulsory labour.                              |  |
|               | 2. Workers shall be able to establish and join labour organisations.                                                                                                                                                                                                                                                                                                               | No | Each employee of the project is free to associate with whomever he wants.                                                                                                                                        |  |
|               | 3. Working agreements with all individual workers shall be documented and implemented. These shall at minimum comprise:<br>(a) Working hours (must not exceed 48 hours per week on a regular basis),<br>AND<br>(b) Duties and tasks, AND<br>(c) Remuneration (must include provision for payment of overtime),<br>AND (d) Modalities on health insurance, AND<br>(e) Modalities on | No | Employees of the project will have working contracts with the local partners in the project country. The contracts will be according to the national regulations and is thus locally and culturally appropriate. |  |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                                                                                                                            |  |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------|--|
|  | <p>termination of the contract with provision for voluntary resignation by employee, AND (f) Provision for annual leave of not less than 10 days per year, not including sick and casual leave.</p>                                                                                                                                                                                                                                                                                                                                                                                                         |    |                                                                                                                            |  |
|  | <p>5. Child labour, as defined by the ILO Minimum Age Convention is not allowed. The Project Developer shall use adequate and verifiable mechanisms for age verification in recruitment procedures. Exceptions are children for work on their families' property as long as:</p> <p>(a) Their compulsory schooling (minimum of 6 schooling years) is not hindered, AND</p> <p>(b) The tasks they perform do not harm their physical and mental development, AND (c) The opinions and recommendations of an Expert Stakeholder shall be sought and demonstrated as being included in the Project design.</p> | No | Project participants and all involved parties do not employ children.                                                      |  |
|  | <p>6. The Project Developer shall ensure the use of appropriate equipment, training of workers, documentation and</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No | The project participants will provide appropriate equipment for assembly of the stoves as well as safety material (gloves, |  |

|                                                         |                                                                                                                                                                                                  |    |                                                                                                                                                                                                                      |  |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                         | reporting of accidents and incidents, and emergency preparedness and response measures.                                                                                                          |    | first aid kit). The project partners will provide and document training of workers employed in the project.                                                                                                          |  |
| 2. Environmental and Ecological Safeguarding Principles |                                                                                                                                                                                                  |    |                                                                                                                                                                                                                      |  |
| Principle 1:<br>Climate and Energy                      | Will the Project increase greenhouse gas emissions over the Baseline Scenario?                                                                                                                   | No | The project does not lead to an increase in greenhouse gas emissions above the baseline emissions. The efficient cook stoves will reduce the release of CO2 emissions compared to the traditional three stone fires. |  |
|                                                         | Will the Project use energy from a local grid or power supply (i.e., not connected to a national or regional grid) or fuel resource (such as wood, biomass) that provides for other local users? | No | The project does not use energy from the local grid or power supply that is also being used by other users; hence it does not affect the availability and reliability of energy supply to other users.               |  |
| Principle 2:<br>Water                                   | Natural Water Patterns/Flows<br>Erosion and/or water body Instability                                                                                                                            | No | There will be no direct impact on the water body through the project.                                                                                                                                                |  |
| Principle 3:<br>Environment, ecology and land use       | High Conservation Value Areas and Critical Habitats                                                                                                                                              | No | There will be no direct impact on land use through the project. Positive effects on the environment and ecology have been                                                                                            |  |

|  |  |  |                   |  |
|--|--|--|-------------------|--|
|  |  |  | discussed before. |  |
|--|--|--|-------------------|--|

| SDG                                | Effect of the project:<br>Positive?<br>Negative?<br>Neutral? | Justification<br>(Why positive/neutral/negative?)                                                                                                                                                                                                                                                              | How can we monitor this?                      |
|------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| SDG 1: No Poverty                  | positive                                                     | The project will improve livelihoods by fuelwood savings and income generation by selling charcoal produced in the TLUD.                                                                                                                                                                                       | Income generated by the sales of the charcoal |
| SDG 2: Zero Hunger                 | neutral                                                      | There is no direct impact on the food supply. The additional money earned by the selling of the charcoal might, as a side effect, add to the available money for food. However, stove users are free to use the money on their discretion. Therefore the parameter is scored neutral.                          | n.a                                           |
| SDG 3: Good Health and Well-Being  | neutral                                                      | A reduced indoor air pollution might lead to better health. However, this effect is very hard to quantify, therefore the parameter is scored neutral.                                                                                                                                                          | n.a                                           |
| SDG 4: Quality Education           | neutral                                                      | The users of the TLUD will be introduced to its proper operation. Other than that, no education is planned in the project. therefore the parameter is scored neutral.                                                                                                                                          | n.a                                           |
| SDG 5: Gender Equality             | neutral                                                      | The project might contribute to gender equality by easing the cooking work at home. However, this is not a direct impact of the project and therefore effects are probably not big enough to be monitored. Therefore, this parameter is set on neutral. Number of women employed will be monitored under SDG8. |                                               |
| SDG 6: Clean Water and Sanitation  | neutral                                                      | There is no impact on water and sanitation.                                                                                                                                                                                                                                                                    | n.a                                           |
| SDG 7: Affordable and Clean Energy | positive                                                     | The PoA is designed to provide cleaner, safer, more affordable and more efficient cooking equipment than traditional stoves to poor household by means of carbon finance.                                                                                                                                      | Number of Households using the ICS            |

|                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                |
|------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| SDG 8: Decent Work and Economic Growth         | positive | The PoA will lead to increased economic and employment opportunities. Jobs will be created that benefit locals. Employees of the project will receive trainings and insurances. Moreover, the project will create income for stove users who sell charcoal generated in the TLUD back to the project or directly to users of charcoal.                                                                | The number of jobs created, separated by gender and job description (FA, stove production etc) |
| SDG 9: Industry, Innovation and Infrastructure | neutral  | The project introduces a new technology into the region, for the first time, woodstoves based on gasification are distributed to households on a larger scale. However, it is not yet possible to assess a possible uptake of the technology outside the project area – therefore a neutral score is given.                                                                                           | n.a                                                                                            |
| SDG 10: Reduced Inequalities                   | neutral  | There is no impact on the distribution on wealth.                                                                                                                                                                                                                                                                                                                                                     | n.a                                                                                            |
| SDG 11: Sustainable Cities and Communities     | neutral  | Even though the TLUD will be distributed among certain poor communities in West Bengal and will therefore reduce their CO <sub>2</sub> emissions, the stoves will not affect the total concept of the communities towards a higher sustainability.                                                                                                                                                    | n.a                                                                                            |
| SDG 12: Responsible Consumption and Production | neutral  | Concerning firewood, the project will lead to a reduced consumption. This will definitely be considered an economic advantage by the users. However, effects other consumption habits are not part of the project.                                                                                                                                                                                    | n.a                                                                                            |
| SDG 13: Climate Action                         | positive | The PoA is designed reduce CO <sub>2</sub> emissions by dissemination of TLUD stoves, which are more efficient in burning wood than the traditional stoves. Therefore, less wood will be burned and less CO <sub>2</sub> will be emitted.                                                                                                                                                             | The amount of the reduced CO <sub>2</sub> emission will be monitored.                          |
| SDG 14: Life below Water                       | neutral  | There is no direct impact on quality of water and therefore life below it. However, there might be a slight indirect positive impact due to the prevention of soil erosion, since eroded soils are typically washed into rivers leading to increased sedimentation (see e.g. <a href="http://www.un.org/esa/sustdev/csd/csd15/lc/GTZ_hem.pdf">www.un.org/esa/sustdev/csd/csd15/lc/GTZ_hem.pdf</a> and | n.a                                                                                            |

|                                                |         |                                                                                                                                                                                                                                                                                                   |     |
|------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|                                                |         | <a href="http://iahs.info/redbooks/a236/iahs_236_0531.pdf">http://iahs.info/redbooks/a236/iahs_236_0531.pdf</a> ). There is no kind of release of pollutants into any kind of water linked to the implementation of the project.                                                                  |     |
| SDG 15: Life on Land                           | neutral | Life on land will not be affected. By using less firewood, less trees will be chopped, which might affect life on land positively. However, it is not possible to monitor the complete effects of forest maintenance in the framework of the project. Therefore it is set on neutral.             | n.a |
| SDG 16: Peace, Justice and Strong Institutions | neutral | Project has no direct impact on this SDG.                                                                                                                                                                                                                                                         | n.a |
| SDG 17: Partnerships for the Goals             | neutral | Project has no direct impact on this SDG. International partnerships are encouraged through the search of possible investors or new distribution partners in the future. However, it is not clear to what extent that will come to practice in the future. Thus the indicator was scored neutral. | n.a |

## SECTION F. OUTCOME OF STAKEHOLDER CONSULTATIONS

### F.1. Justification for stakeholder consultation at PoA Level only

>>

A Design consultation on PoA level was conducted electronically between 03/09/2018 and 03/11/2018.

A VPA level stakeholder consultation was held on 12/08/2018

The VPA level Stakeholder Feedback round was conducted between 21/09/2018 and 21/11/2018.

The Local stakeholder consultation will be carried out on CPA level for a group of CPAs.

The LSC shall be valid for all CPAs which are located in the same region and using the same stove technology, since the technology and its impacts will be similar in the entire region and for users using the same new stove technology.

The local stakeholder consultation has to be conducted before the start date of each CPA.

## F.2. Summary of stakeholder mitigation measures at POA Level

>>

No comments were received during the Design Consultation Process.

No mitigation measures are required.

## F.3. Final Continuous Input / Grievance Mechanism at POA Level

>>

N/A. Final Continuous Input / Grievance Mechanisms is discussed on CPA Level.

| Method                                                           | Include all details of Chosen Method (s) so that they may be understood and, where relevant, used by readers. |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Continuous Input / Grievance Expression Process Book (mandatory) |                                                                                                               |
| GS Contact (mandatory)                                           | <a href="mailto:help@goldstandard.org">help@goldstandard.org</a>                                              |
| Other                                                            |                                                                                                               |

## APPENDIX 1 - CONTACT INFORMATION OF COORDINATING/MANAGING ENTITY AND RESPONSIBLE PERSON(S)/ ENTITY(IES)

|                                       |                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CME and/or responsible person/ entity | <input checked="" type="checkbox"/> CME<br><input type="checkbox"/> Responsible person/ entity for application of the selected methodology(ies) and, where applicable, the selected standardized baseline(s) to the PoA |
| Organization                          | Nature Club of Rajasthan                                                                                                                                                                                                |
| Street/P.O. Box                       | Plot number 26, First Lane, Madhav Nagar                                                                                                                                                                                |
| Building                              | Opposite Durgapura Railway Station                                                                                                                                                                                      |
| City                                  | Jaipur                                                                                                                                                                                                                  |
| State/Region                          | Rajasthan                                                                                                                                                                                                               |
| Postcode                              |                                                                                                                                                                                                                         |
| Country                               | India                                                                                                                                                                                                                   |
| Telephone                             | M: +91 9414092888                                                                                                                                                                                                       |
| E-mail                                | hitesh19gg@yahoo.com                                                                                                                                                                                                    |
| Website                               | <a href="http://www.natureclubrajasthan.org/">http://www.natureclubrajasthan.org/</a>                                                                                                                                   |
| Contact person                        | Mr. Hitesh Goyal                                                                                                                                                                                                        |
| Title                                 |                                                                                                                                                                                                                         |
| Salutation                            | Mr.                                                                                                                                                                                                                     |
| Last name                             | Goyal                                                                                                                                                                                                                   |
| Middle name                           |                                                                                                                                                                                                                         |

|                                       |                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CME and/or responsible person/ entity | <input type="checkbox"/> CME<br><input checked="" type="checkbox"/> Responsible person/ entity for application of the selected methodology(ies) and, where applicable, the selected standardized baseline(s) to the PoA |
| Organization                          | atmosfair gGmbH                                                                                                                                                                                                         |
| Street/P.O. Box                       | Zossener Straße 55-58                                                                                                                                                                                                   |
| Building                              |                                                                                                                                                                                                                         |
| City                                  | Berlin                                                                                                                                                                                                                  |
| State/Region                          | Berlin                                                                                                                                                                                                                  |
| Postcode                              | 10961                                                                                                                                                                                                                   |
| Country                               | Germany                                                                                                                                                                                                                 |

|                |                         |
|----------------|-------------------------|
| Telephone      | +49 30 120 84 80 63     |
| E-mail         | info@atmosfair.de       |
| Website        | www.atmosfair.org       |
| Contact person | Ms. Katrin Mikolajewski |
| Title          | Dr.                     |
| Salutation     | Ms.                     |
| Last name      | Mikolajewski            |
| Middle name    |                         |

**TEMPLATE**

## APPENDIX 2 - SAFEGUARDING PRINCIPLES ASSESSMENT

Complete the Assessment below and copy all Mitigation Measures for each Principle into [SECTION D](#) above. Please refer to the instructions in the [Guide to Completing](#) this Form below.

| Assessment Questions/<br>Requirements                                                                                                                                                                                                                                                                                                                                         | Justification of Relevance<br>(Yes/potentially/no) | How Project will achieve<br>Requirements through design,<br>management or risk<br>mitigation.                                                                              | Mitigation Measures added to<br>the Monitoring Plan (if<br>required) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Principle 1. Human Rights</b>                                                                                                                                                                                                                                                                                                                                              |                                                    |                                                                                                                                                                            |                                                                      |
| <ol style="list-style-type: none"> <li>1. The Project Developer and the Project shall respect internationally proclaimed human rights and shall not be complicit in violence or human rights abuses of any kind as defined in the Universal Declaration of Human Rights</li> <li>2. The Project shall not discriminate with regards to participation and inclusion</li> </ol> | no                                                 | The project is a voluntary action of the project developer and the partners. Users can freely decide if they want to buy a stove and thus be part of the project activity. | N/A                                                                  |
| <b>Principle 2. Gender Equality</b>                                                                                                                                                                                                                                                                                                                                           |                                                    |                                                                                                                                                                            |                                                                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. The Project shall not directly or indirectly lead to/contribute to adverse impacts on gender equality and/or the situation of women</li> <li>2. Projects shall apply the principles of nondiscrimination, equal treatment, and equal pay for equal work</li> <li>3. The Project shall refer to the country's national gender strategy or equivalent national commitment to aid in assessing gender risks</li> <li>4. (where required) Summary of opinions and recommendations of an Expert Stakeholder(s)</li> </ol> | no | <ul style="list-style-type: none"> <li>• The project will employ local women and distribute stoves to vulnerable communities.</li> <li>• Especially women are involved in the project, since cooking is mainly done by women. Also in the factory, women will be employed. Literacy is not necessary, as the use of the stoves will be explained vocally at the time of purchase and during the consultation meeting.</li> <li>• Through less time spent in wood collection and cooking the workload for women gets less.</li> <li>• Through the project activity, the risk of exposure to gender-based violence will reduce due to the reduction in fuel wood gathering time and distances travelled.</li> </ul> |  |
| <b>Principle 3. Community Health, Safety and Working Conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| <ol style="list-style-type: none"> <li>1. The Project shall avoid community exposure to increased health risks and shall not adversely affect the health of the workers and the community</li> </ol>                                                                                                                                                                                                                                                                                                                                                           |    | <p>The project is a household based clean cookstove project. Thus no increased health risks or negative effects on the workers or the community is expected. To the contrary, the clean cookstoves will improve air quality by reducing indoor air pollution while</p>                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |

|                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                  |  | cooking. Also the project does not adversely influence the health of workers. Safety provisions are taken for the assembly of the cookstoves.                                                                                                                           |  |
| <b>Principle 4.1 Sites of Cultural and Historical Heritage</b>                                                                                                   |  |                                                                                                                                                                                                                                                                         |  |
| Does the Project Area include sites, structures, or objects with historical, cultural, artistic, traditional or religious values or intangible forms of culture? |  | The project is a household based clean cookstove project, thus the project does not involve or be complicit in the alteration, damage or removal of any sites, objects or structures of significant cultural heritage. Cooking habits and dishes do not need to change. |  |
| >>                                                                                                                                                               |  |                                                                                                                                                                                                                                                                         |  |
| <b>Principle 4.2 Forced Eviction and Displacement</b>                                                                                                            |  |                                                                                                                                                                                                                                                                         |  |
| Does the Project require or cause the physical or economic relocation of peoples (temporary or permanent, full or partial)?                                      |  | The project is a household based clean cookstove project, thus the project does not involve physical or economic relocation of peoples                                                                                                                                  |  |
| >>                                                                                                                                                               |  |                                                                                                                                                                                                                                                                         |  |
| <b>Principle 4.2 Forced Eviction and Displacement</b>                                                                                                            |  |                                                                                                                                                                                                                                                                         |  |
| Does the Project require or cause the physical or economic relocation of peoples (temporary or permanent, full or partial)?                                      |  | The project is a household based clean cookstove project, thus the project does not involve physical or economic relocation of peoples                                                                                                                                  |  |
| >>                                                                                                                                                               |  |                                                                                                                                                                                                                                                                         |  |
| <b>Principle 4.3 Land Tenure and Other Rights</b>                                                                                                                |  |                                                                                                                                                                                                                                                                         |  |
| Does the Project require any                                                                                                                                     |  | The project is a household based                                                                                                                                                                                                                                        |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| change, or have any uncertainties related to land tenure arrangements and/or access rights, usage rights or land ownership?                                                                                                                                                                                                                                                                                                                                                  |  | clean cookstove project, thus the project does not require change to land tenure arrangements and/or other rights                                                                                                                                                                                                                                                               |  |
| >>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Principle 5. Corruption</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 1. The Project shall not involve, be complicit in or inadvertently contribute to or reinforce corruption or corrupt Projects                                                                                                                                                                                                                                                                                                                                                 |  | The project does not involve, is not complicit in, does not contribute inadvertently to and does not reinforce corruption or corrupt Projects.                                                                                                                                                                                                                                  |  |
| <b>Principle 6.1 Labour Rights</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <p>1. The Project Developer shall ensure that all employment is in compliance with national labour occupational health and safety laws and with the principles and standards embodied in the ILO fundamental conventions</p> <p>2. Workers shall be able to establish and join labour organisations</p> <p>3. Working agreements with all individual workers shall be documented and implemented and include:</p> <p>a) Working hours (must not exceed 48 hours per week</p> |  | <p>2. The project does not involve and is not complicit in any form of forced or compulsory labour. The project participants do not complicit in any form of forced or compulsory labour.</p> <p>3. Each employee of the project is free to associate with whomever he wants.</p> <p>4. Employees of the project will have working contracts with the local partners in the</p> |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none"> <li>on a regular basis), AND</li> <li>b) Duties and tasks, AND</li> <li>c) Remuneration (must include provision for payment of overtime), AND</li> <li>d) Modalities on health insurance, AND</li> <li>e) Modalities on termination of the contract with provision for voluntary resignation by employee, AND</li> <li>f) Provision for annual leave of not less than 10 days per year, not including sick and casual leave.</li> </ul> <p>4. No child labour is allowed (Exceptions for children working on their families' property requires an <a href="#">Expert Stakeholder</a> opinion)</p> <p>5. The Project Developer shall ensure the use of appropriate equipment, training of workers, documentation and reporting of accidents and incidents, and emergency preparedness and response measures</p> |  | <p>project country. The contracts will be according to the national regulations and is thus locally and culturally appropriate</p> <p>5. Project participants and all involved parties do not employ children.</p> <p>6. The project participants will provide appropriate equipment for assembly of the stoves as well as safety material (gloves, first aid kit). The project partners will provide and document training of workers employed in the project.</p> |  |
| <b>Principle 6.2 Negative Economic Consequences</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

|                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Does the project cause negative economic consequences during and after project implementation?                                                                                                                             |  | No risks are foreseen for the local economy through the realisation of the project, since stoves are not distributed for free but need be purchased by the users.                                                    |  |
| >>                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                      |  |
| <b>Principle 7.1 Emissions</b>                                                                                                                                                                                                |  |                                                                                                                                                                                                                      |  |
| Will the Project increase greenhouse gas emissions over the Baseline Scenario?                                                                                                                                                |  | The project does not lead to an increase in greenhouse gas emissions above the baseline emissions. The efficient cook stoves will reduce the release of CO2 emissions compared to the traditional three stone fires. |  |
| >>                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                      |  |
| <b>Principle 7.2 Energy Supply</b>                                                                                                                                                                                            |  |                                                                                                                                                                                                                      |  |
| Will the Project use energy from a local grid or power supply (i.e., not connected to a national or regional grid) or fuel resource (such as wood, biomass) that provides for other local users?                              |  | The project does not use energy from the local grid or power supply that is also being used by other users; hence it does not affect the availability and reliability of energy supply to other users.               |  |
| >>                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                      |  |
| <b>Principle 8.1 Impact on Natural Water Patterns/Flows</b>                                                                                                                                                                   |  |                                                                                                                                                                                                                      |  |
| Will the Project affect the natural or pre-existing pattern of watercourses, ground-water and/or the watershed(s) such as high seasonal flow variability, flooding potential, lack of aquatic connectivity or water scarcity? |  | There will be no direct impact on the water body through the project.                                                                                                                                                |  |

|                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| >>                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                   |  |
| <b>Principle 8.2 Erosion and/or Water Body Instability</b>                                                                                                                           |  |                                                                                                                                                                                                                                                   |  |
| Could the Project directly or indirectly cause additional erosion and/or water body instability or disrupt the natural pattern of erosion?                                           |  | There will be no direct impact on the water body through the project.                                                                                                                                                                             |  |
| >>                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                   |  |
| <b>Principle 9.1 Landscape Modification and Soil</b>                                                                                                                                 |  |                                                                                                                                                                                                                                                   |  |
| Does the Project involve the use of land and soil for production of crops or other products?                                                                                         |  | The project is a household based clean cookstove project, thus the project does not involve the use of land and soil for production of crops or other products.                                                                                   |  |
| >>                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                   |  |
| <b>Principle 9.2 Vulnerability to Natural Disaster</b>                                                                                                                               |  |                                                                                                                                                                                                                                                   |  |
| Will the Project be susceptible to or lead to increased vulnerability to wind, earthquakes, subsidence, landslides, erosion, flooding, drought or other extreme climatic conditions? |  | The project is a household based clean cookstove project, thus the project is not susceptible to or lead to increased vulnerability to wind, earthquakes, subsidence, landslides, erosion, flooding, drought or other extreme climatic conditions |  |
| >>                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                   |  |
| <b>Principle 9.3 Genetic Resources</b>                                                                                                                                               |  |                                                                                                                                                                                                                                                   |  |
| Could the Project be negatively impacted by or involve genetically modified organisms or GMOs (e.g., contamination, collection and/or harvesting, commercial                         |  | The project is a household based clean cookstove project, thus the project is not negatively impacted by or involve genetically modified organisms.                                                                                               |  |

|                                                                                                                                 |  |                                                                                                                                                                                                    |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| development, or take place in facilities or farms that include GMOs in their processes and production)?                         |  |                                                                                                                                                                                                    |  |
| >>                                                                                                                              |  |                                                                                                                                                                                                    |  |
| <b>Principle 9.4 Release of pollutants</b>                                                                                      |  |                                                                                                                                                                                                    |  |
| Could the Project potentially result in the release of pollutants to the environment?                                           |  | The project is a household based clean cookstove project, thus the project does not result in the release of pollutants to the environment.                                                        |  |
| >>                                                                                                                              |  |                                                                                                                                                                                                    |  |
| <b>Principle 9.5 Hazardous and Non-hazardous Waste</b>                                                                          |  |                                                                                                                                                                                                    |  |
| Will the Project involve the manufacture, trade, release, and/or use of hazardous and non-hazardous chemicals and/or materials? |  | The project is a household based clean cookstove project, thus the project does not involve the manufacture, trade, release, and/or use of hazardous and non-hazardous chemicals and/or materials. |  |
| >>                                                                                                                              |  |                                                                                                                                                                                                    |  |
| <b>Principle 9.6 Pesticides &amp; Fertilisers</b>                                                                               |  |                                                                                                                                                                                                    |  |
| Will the Project involve the application of pesticides and/or fertilisers?                                                      |  | The project is a household based clean cookstove project, thus the project does not involve the application of pesticides and/or fertilisers.                                                      |  |
| >>                                                                                                                              |  |                                                                                                                                                                                                    |  |
| <b>Principle 9.7 Harvesting of Forests</b>                                                                                      |  |                                                                                                                                                                                                    |  |
| Will the Project involve the harvesting of forests?                                                                             |  | The project is a household based clean cookstove project, thus the project does not involve the                                                                                                    |  |
| >>                                                                                                                              |  |                                                                                                                                                                                                    |  |

|                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                    |  | harvesting of forests.                                                                                                                                                                                                                                |  |
| <b>Principle 9.8 Food</b>                                                                                                                                                          |  |                                                                                                                                                                                                                                                       |  |
| Does the Project modify the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives?                             |  | The project is a household based clean cookstove project, thus the project does not modify the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives.                             |  |
| >>                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                       |  |
| <b>Principle 9.9 Animal husbandry</b>                                                                                                                                              |  |                                                                                                                                                                                                                                                       |  |
| Will the Project involve animal husbandry?                                                                                                                                         |  | The project is a household based clean cookstove project, thus the project does not involve animal husbandry.                                                                                                                                         |  |
| >>                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                       |  |
| <b>Principle 9.10 High Conservation Value Areas and Critical Habitats</b>                                                                                                          |  |                                                                                                                                                                                                                                                       |  |
| Does the Project physically affect or alter largely intact or High Conservation Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified? |  | The project is a household based clean cookstove project, thus the project does not physically affect or alter largely intact or High Conservation Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified. |  |
| >>                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                       |  |
| <b>Principle 9.11 Endangered Species</b>                                                                                                                                           |  |                                                                                                                                                                                                                                                       |  |
| Are there any endangered species identified as potentially being present within the Project boundary (including those that may route through the area)?                            |  | The project is a household based clean cookstove project, thus the project does not impact oareas where endangered species may be present through transboundary affects or                                                                            |  |

|                                                                                                                        |  |                              |  |
|------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|
| AND/OR                                                                                                                 |  | endangered species directly. |  |
| Does the Project potentially impact other areas where endangered species may be present through transboundary affects? |  |                              |  |
| > >                                                                                                                    |  |                              |  |



**Gold Standard<sup>®</sup>**  
for the Global Goals

**TEMPLATE**

## Revision History

| Version | Date            | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1     | 14 October 2020 | <p>Hyperlinked section summary to enable quick access to key sections</p> <p>Improved clarity on Key Project Information</p> <p>Inclusion criteria table added</p> <p>Clarification on POA level LSC and Safeguard Principles Assessment</p> <p>Improved Clarity on SDG contribution/SDG Impact term used throughout</p> <p>Clarity on Stakeholder Consultation information required</p> <p>Provision of an <a href="#">accompanying Guide</a> to help the user understand detailed rules and requirements</p> |
| 1.0     | 10 July 2017    | Initial adoption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |