



**Approved baseline and monitoring methodology /
methodological tool clarification response form
(Version 03.0)**

INFORMATION TO BE COMPLETED BY THE SECRETARIAT OR PANEL / WG

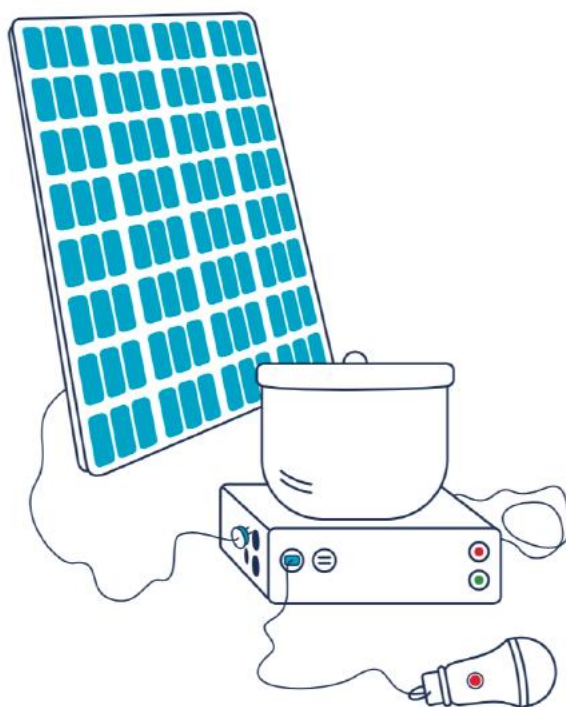
Date and number of Panel / WG meeting:	N/A
Title/Subject of the request for clarification:	Eligibility of an induction cookstove model that is powered by the user's solar generated electricity
Reference number of the request for clarification:	SSC_756
Exact reference (number, title and version) of the methodology or methodological tool to which the request for clarification applies:	AMS-II.G. Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass (version 03) AMS-I.E. Switch from non-renewable biomass for thermal applications by the user (version 06.0)
Fast track or Regular track:	<input checked="" type="checkbox"/> Fast track <input type="checkbox"/> Regular track

Summary of the request for clarification

Original text from Stakeholder:

We would value your opinion about this request for clarification concerning our registered PoA - ref 7014: Improved Cook Stoves for East Africa (ICSEA).

An applicant wishes to use our PoA to distribute a newly designed solar induction cooker and associated solar panel that involves the complete replacement of non-renewable biomass (NRB) by self-generated solar energy. This will lead to a complete fuel switch, thereby reducing greenhouse gas emissions accordingly.



ECOCA solar-powered micro-kitchen

The ECOCA solar-powered micro-kitchen is a compact, self-contained, multi-purpose home unit consisting of an electric stove top, a battery pack and a solar panel array. The small and lightweight unit is simple and intuitive to use daily in both rural and urban settings. The ECOCA solar-powered micro-kitchen also comes with a highly insulated pot that will keep food warm for hours.

The reading of each appliance's logger will provide the real consumption of energy that is used instead of NRB. A logger installed in each device records the usage of energy for cooking every 60 seconds.

To adjust (if necessary) for any other use of the solar cooker for purposes other than cooking, a periodic qualitative sample survey will be undertaken. This survey will take place when the loggers are read. This approach ensures that the actual energy consumption of a solar cooker for cooking is recorded.

Having read **SSC_749: Clarification on the applicability of AMS I E version 09.0 for Induction cook stoves project in Nepal** we are concerned that this should not create a precedent preventing our inclusion of this type of solar powered induction cookstove under our PoA.

It is anticipated that there will be a widespread distribution of this stove to refugees and host communities in Uganda, and that this will result in a dramatic drop in their use of NRB.

Further clarification from the Stakeholder received on 19-Jul-2019:**Thermal conduction heating (our solution)**

This is quite basic. Inside our cooking pot there is placed a heating pad which is providing thermal conduction heating on the surface of our inner pot. Our pot is the effective solution here, coming as a double layered pot, which is making it highly insulated and thus very effective. We utilize the DC power generated in the solar system, which makes us capable of "drinking the water directly from the source" (i.e. DC to DC) - not losing a lot of energy in the transformation. Our innovation comes through the combination of these technologies, which has not been seen before. Namely; Highly effective PV-panels, LiFePo4 batteries (new technology), MPPT-controller, our own motherboard for controls and the highly insulated pot.

System is built upon this formula:

(PV-panels -> Solar charge control unit (MPPT) -> LiFePo4 battery) -> Heating pad inside our pot

Clarification by the secretariat or Panel / WG

The secretariat would like to thank the author of the submission and would like to clarify as below:

- Solar cooker using direct current (D.C.) heating element with associated equipment (e.g. solar panel, charge controller, storage battery, balance of systems) is eligible under AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user but not under AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass.
- The periodic survey referred shall comply with requirements of applied methodology and Standard for Sampling and surveys for CDM project activities and programmes of activities and Guidelines for sampling and surveys for CDM project activities and programme of activities. It shall also capture any continued use of pre-project cooking devices using non-renewable biomass, e.g. see paragraphs 21, 23 of AMS-I.E. ver. 6.0.

Version(s) of the approved methodology / methodological tool to which the clarification is applicable:

AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user

- - - - -

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
03.0	13 May 2016	Revised to include the row "Version(s) of the approved methodology / methodological tool to which the clarification is applicable"
02.0	18 July 2013	Revised to remove the row "Date and signature of the chair and vice chair of Panel/WG (in case of clarification by Panel/WG)"
01.0	4 July 2013	Initial publication. This document supersedes and replaces the following documents: <ul style="list-style-type: none">• Recommendation Form for Small Scale Methodologies (F-CDM-SSCwg) (Version 01.1)• Recommendation Form for Small Scale A/R Methodologies and Procedures (F-CDM-SSC-AR) (Version 01.1)
Decision Class: Regulatory Document Type: Form, Clarification Business Function: Methodology Keywords: applying methodologies and tools		