



CDM: Recommendation Form for Small Scale Methodologies (version 01)

(To be used for presenting questions/proposals/amendments to the simplified methodologies for small-scale CDM project activity categories)

<i>Date of SSC WG meeting:</i>	16–19 June 2009, SSC WG 21
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on determining baseline efficiency for cooking stoves using AMS-I.C
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMS-I.C version 14
<i>Name of the authors of the query:</i>	Seleha Lockwood Institution: Sindicatum Carbon Capital Seleha.lockwood@carbon-capital.com

Summary of the query:

Please use the space below to summarize the query related to SSC methodologies/categories SSC Modalities and Procedures provide recommendation/analysis of the SSC WG.

Original text from PP:

Two small scale projects, which are at validation, involve the replacement of household level small coal-based stoves by household level small renewable biomass fired stoves. In the case of these small stoves, we seek fast-track clarification on paragraph 18 in AMS-I.C. version 14.

“18. Efficiency of the baseline units shall be determined by adopting one of the following criteria (in a preferential order):

- (a) Highest annual measured operational efficiency of a unit with similar specifications, using baseline fuel;
- (b) Highest of the annual operational efficiency values provided by two or more manufacturers for units with similar specifications, using the baseline fuel;
- (c) Default efficiency of 100%.”

The term "preferential order" under paragraph 18 above is unclear and we are concerned that the options need to be open in the case of small stoves.

In Option (a) and (b), we understand that in the case of coal stoves that have been used for a number of years, laboratory testing would be conducted to determine the efficiency of these stoves for the baseline. Confusion arises with the inclusion of the word annual and therefore we seek additional clarification.

- If this implies multiple tests need to be conducted over a period of one year and the highest efficiency then used for the baseline, adopting it for option (a) would not be feasible due to the related significantly higher project costs for small scale stove project activities. The wording “...of a unit...” seems not appropriate for small installations where measurements of a representative sample are deemed more reasonable.

- Similarly, the approach would not be realistic for option (b) where the manufacturer would not test their products over a period of one year as the product is already on the market and average efficiency has already been established by the manufacturer. A reference to technical specifications or product specific testing is deemed more appropriate as manufacturers have no incentive for indicating underestimated efficiencies.
- For both options, it is not expected that efficiency would vary significantly over the year, and therefore stipulating 'annual' operational efficiency or 'annual' measured operational efficiency would not increase accuracy but only increase costs to the project proponent.

In Option (c), in the small scale stove project we are proposing, it is highly unlikely that any piece of equipment has a default value of 100%. If we consider for example the use of coal stoves in China, standard GB16154- 2005 states that the efficiency of a new coal stove should be not less than 60% however, average efficiency has generally been proven to be around 30% based on assessment of publicly available literature in China.

We look forward to your clarification on all of the above points.

Recommendation by the SSC WG:

Please use the space below to provide amendments/change (in your expert view, if necessary).

Please refer to paragraph 14 of the meeting report of the SSC WG 21
(http://cdm.unfccc.int/Panels/ssc_wg).

Answer to authors of query by the SSC WG:

Please use the space below to provide answer to the authors of the above query

The small-scale working group of the CDM Executive Board would like to thank the author for the submission.

The SSC WG agreed to recommend a revision of AMS-IC to include procedures for determining the efficiency of small thermal appliances used in household or commercial applications (<45kW thermal capacity). Please refer to annex 11 of SSC WG 21 report.



Signature of SSC WG Chair

(Hugh Sealy)

Date: 19/06/2009



Signature of SSC WG Vice-Chair

(Peer Stiansen)

Date: 19/06/2009

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