



## 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>	21–24 September 2009, SSC WG 22
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Revision of AMS-I.C to include isolated mini-grids in the baseline scenario and plant oil as a fuel source
<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>	Yukimi Shimura Institution: Mitsubishi UFJ Securities Co., Ltd. <a href="mailto:shimura-yukimi@sc.mufg.jp">shimura-yukimi@sc.mufg.jp</a>

### **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:

This request for revision for AMS-I.C. (ver. 15) covers following two points:

- 1) inclusion of a mini-grid in the baseline scenario options for cogeneration under Paragraph 12 of the methodology; and
- 2) inclusion of plant oil as one of the renewable biomass fuel sources

A proposed project activity subject to this revision request is to be implemented on isolated islands where mini-grids serve the islands' electricity demand. The proposed project activity replaces the diesel generators of the mini-grids with wind power and cogeneration (fuelled by plant oil) plants. Heat generated from the cogeneration plant is to be used by a desalination plant which will be constructed in adjacent to or within close vicinity to the project site. Jatropha seeds, which are hand-picked by local farmers from trees used as fences for their houses and properties (no plantation), will be cold pressed and filtered to produce plant oil. The plant oil extraction plant will be state-owned, and the project participants have access to sufficient information and data to calculate and monitor project emissions and leakage.

- 1) Inclusion of mini-grid in a baseline scenario options for cogeneration under Paragraph 12 of the methodology

AMS-I.C. (ver. 15) limits the selection of baseline scenarios for cogeneration projects under Paragraph 12. However, this does not take into consideration cases where electricity is exported to the grid (including mini-grid) and thermal energy (steam/heat) is produced using fossil fuel. The revision request, therefore, is to include this case as an eighth option in the methodology.

- 2) Inclusion of plant oil as one of the renewable biomass fuel sources

As per the answer to SSC\_302 (the applicability of plant oil for AMS-I.D.), the revision is suggested by taking into consideration the "Definition of Renewable Biomass" (EB23 Annex 18) and AMS-III.T (ver. 01).

Following AMS-III.T., the plant oil referred to in this revision request is limited to one extracted using simple technology (pressing and filtering).

Although AMS-III.T. is a methodology developed for plant oil producers (for transportation fuel) and not for consumers, this revision request takes into consideration cases where i) the project participant is both producer and user of plant oil and ii) the project participant is not a producer, but only a user of plant oil for power and heat production. To simplify the calculation of project emissions and leakage from plant oil production and oil seeds cultivation, the plant oil purchase is limited to only one producer at a time.

As in the case of the proposed project activity mentioned above, there may be cases where the project participant does not have a control over the waste treatment of oil production plants. This revision request, therefore, takes into consideration waste handling in the project emissions calculation.

Although the proposed project activity does not involve plantation or land cultivation caused by the implementation of the project activity, this revision request respects the approach taken by AMS-III.T. to include those cases as well.

We believe that these changes are appropriate considering the general approach of SSC methodologies related to a mini-grid and the guidance given by the SSC Working Group for the use of plant oil for energy generation.

#### **Recommendation by the SSC WG:**

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

Please refer to paragraph 9 of the meeting report of the SSC WG 22  
([http://cdm.unfccc.int/Panels/ssc\\_wg](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 considered that additional information would be needed from the submission author in order to complete the assessment of this request. The author of the submission is encouraged to submit a PDD in a future submission.

The SSC WG noted that the inclusion of the plantation in the project boundary is the primary issue in the submission. The proposed revision is intended to expand the description of the boundary in AMS-I.C to incorporate the plantation. However, the underlying project case does not include plantation activities as inferred from the short description included in the submission:

“Jatropha seeds, which are hand-picked by local farmers from trees used as fences for their houses and properties (no plantation)”.

The SSC WG is thus of the opinion that the description of the biomass source shall be further addressed. Based on the information provided in the submission, it is not clear whether it should be considered biomass from existing forest or biomass from new forest or biomass residues. It should be noted that, as per the General Guidance on leakage in biomass project activities, the impact of the project activity has different consideration on leakage, depending on the biomass type. If biomass residues are used, the competing use of biomass should be assessed. If biomass is produced in new forest, the impact of the project on pre-project activities and the emissions from biomass cultivation should be evaluated.



Signature of SSC WG Chair .....

(Hugh Sealy)

Date: 24/09/2009



Signature of SSC WG Vice-Chair .....

(Peer Stiansen)

Date: 24/09/2009

**Information to be completed by the secretariat**

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