



**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>	09–12 May 2011, SSC WG 31
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on the combination of multiple methodologies for PoA
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMS-III.D “Methane recovery in animal manure management systems”  AMS-I.C “Thermal energy production with or without electricity”  AMS-I.F “Renewable electricity generation for captive use and mini-grid”
<i>Name of the authors of the query:</i>	Zhiyu Jerry Chen  Institution: Carbon Finance Unit, World Bank  <a href="mailto:zchen1@worldbank.org">zchen1@worldbank.org</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 Stakeholder:

This clarification request is in regard to the application of multiple methodologies for the *China Hebei Animal Manure Management System (AMMS) Small-Scale PoA*, which is being prepared. We are seeking for clarification on two matters, which are listed below together with the program background and the rationale.

**PoA Background:**

The Hebei Animal Manure Management System (AMMS) GHG Mitigation Programme aims at developing a series of small scaled biogas digester projects to mitigate greenhouse gas (GHG) emissions by changing the manure management system from open air lagoon to biogas digester and utilizing a biogas to generate electricity AND/OR to provide thermal energy for nearby households and the livestock farm itself. Hebei Green Agriculture Co. Ltd is the Coordinating/Managing Entity’ (hereinafter referred to as CME).

While the programme is still at the preparation stage, the CME is considering 3 possible ways for methane utilization at various farms: (1) provide only thermal energy to farms themselves or households nearby, (2) provide only electricity to farms themselves or households nearby (without supplying to the grid), or (3) provide both thermal energy and electricity.

The relevant methodologies for the above three scenarios are:

- (1) for Scenario one (provide thermal only), two methodologies apply: **AMS-III.D** (Version 17) - Methane recovery in animal manure management systems, and **AMS-I.C** (Version 18) - Thermal energy production with or without electricity;

- (2) for Scenario 2 (provide electricity only), two methodologies apply: **AMS-III.D** (Version 17) - Methane recovery in animal manure management systems, and **AMS-I.F** (Version 01) - Renewable electricity generation for captive use and mini-grid.
- (3) For Scenario 3 (provide both thermal and electricity), three methodologies apply: **AMS-III.D** (Version 17) - Methane recovery in animal manure management systems, **AMS-I.C** (Version 18) - Thermal energy production with or without electricity and **AMS-I.F** (Version 01) - Renewable electricity generation for captive use and mini-grid.

#### **Seek for Clarification:**

Given the initial design of this PoA, we are seeking for clarifications on two matters, which are summarized below:

#### **1. Combination of the three methodologies for the PoA: AMS-III.D., AMS-I.C., and AMS-I.F.**

Has the EB already approved the use of these 3 methodologies for a small-scale PoA? The Board at its fifty-sixth meeting approved *the combination of any one of the Type III methodologies where activities lead to generation of methane, i.e. AMS-III.H, AMS-III.D, AMS-III.F and AMS-III.G, with any one of the Type I methodologies for utilising the methane generated for generation of renewable energy, i.e. AMS-I.A, AMS-I.C, AMS-I.D and AMS-I.F.* These combinations can be applied in PoAs without each PoA specifically requesting the approval of the combination of the Board. However, we have not found clear instructions regarding the combination of one of the Type III methodologies with TWO of the Type I methodologies.

Furthermore, The Board at its fifty eighth meeting agreed that *“any combination of SSC methodologies that has been applied in a registered project may also be applied in the context of PoAs without the preapproval of combinations as long as the project proponent is able to demonstrate that there are no interactive or cross effects between the measures applied in respective component methodologies or that if there are such cross effects they are conservatively accounted for in the calculation of CERs.”* Based on this principle, we did find a registered project using AMS-III. H + AMS- I.C +AMS- I.D, which is under the same principle (avoidance of methane) but from the wastewater sector. The project can be found at this link: <http://cdm.unfccc.int/Projects/DB/SGS-UKL1244562449.1/view> We can confirm that there are no interactive or cross effects between the measures in the Hebei PoA due to the fact that the thermal production and electricity production are conducted in two different systems and they do not interact with each other.

#### **2. Different combinations of methodologies under one PoA**

Can the different combinations of methodologies be allowed under one PoA. For example, due to the different methane-utilization design of farms, some farms would require the use of AMS-III.D and AMS-I.C for Scenario 1 farms, (or AMS-III.D. and AMS-I.F. for Scenario 2 farms), while Scenario 3 farms would require the use of AMS-III.D., AMS-I.C. and AMS-I.F. The main technology component- methane avoidance through bio-digester installation accounts for the majority of the investment and is consistent through all CPAs. The critical methodological difference among the 3 scenarios is the downstream use of end gas that is only a small portion of investment. Different combinations of methodologies would allow the CME to include more farms to the PoA, which all have similar technical design.

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

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

Please refer to paragraph 23 and 28 of the meeting report of the SSC WG 31 ([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.

For the first query, the SSC WG agreed to clarify that the proposed combination i.e. AMS-III.D, AMS-I.C, and AMS-I.F is not permissible under the current PoA guidelines (as per paragraph 52 of CDM EB58 meeting report) since the combination has not been applied yet in any of the registered project. However, the SSC WG agreed to recommend the proposed combination for approval as there are no interactive or cross effects between the measures applied in the respective component methodologies.

For the second query, the SSC WG agreed to clarify that the varying combinations of methodologies under the same PoA are not allowed under the current PoA guidelines which envisaged consistent application of combination of methodologies. As per foot note 1 of the “Registration of a programme of activities as a single CDM project activity and issuance of CERs for a PoA” (version 04.1. EB55, annex 38), the combination of approved methodologies must be applied to all CPAs and must be applied in a consistent manner.

For other recommendations on the use of methodologies for PoA, please refer to paragraph 28 of the meeting report of the SSC WG 31.

Signed by the Chair, Ms. Fatou Gaye

Date: 12/05/2011

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 12/05/2011

**Information to be completed by the secretariat**

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