



**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 February 2010, SSC WG 24
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification on AMS-I.C version 14 for separate heat and power
<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
<i>Name of the authors of the query:</i>	Vikash K Talyan Institution: Emergent Ventures India <a href="mailto:vikash@emergent-ventures.com">vikash@emergent-ventures.com</a> <a href="mailto:atul@emergent-ventures.com">atul@emergent-ventures.com</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:

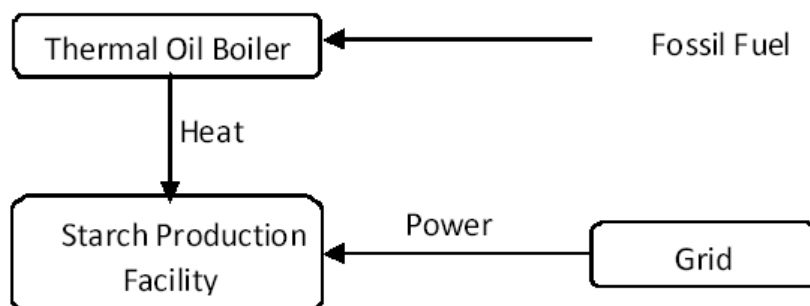
This clarification is sought on the applicability of small scale methodology AMS I.C version 14.

**Description of base case:**

In the base case scenario, the starch production facility meets its heat requirement from fossil fuel based thermal oil boiler and power is imported from the grid as depicted in the following schematic diagram.

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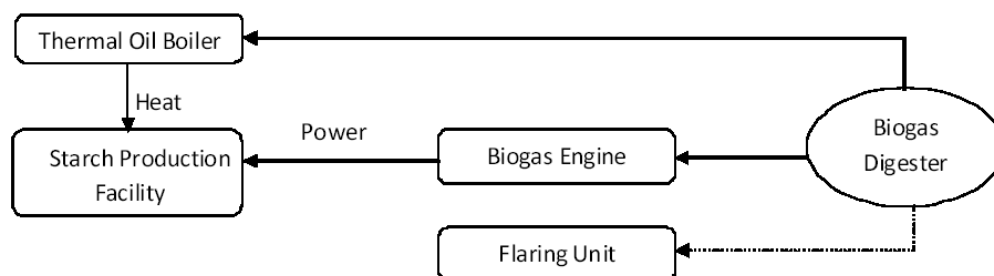
(To be used for presenting questions/proposals/amendments related to the simplified methodologies for small-scale CDM project activity categories)



**Description of project case:**

The project activity involves the installation of anaerobic digester and biogas recovery system at starch production facility for wastewater treatment. The biogas recovered is used to generate steam and power for onsite consumption. The biogas engine is installed for power generation and modified thermal oil boiler is

used for heat generation. The schematic diagram of the project case is given below.



### Methodology Description:

As per paragraph 2, AMS I.C/ version 14,

*“For the purpose of this methodology **“Cogeneration”** shall mean the simultaneous generation of thermal energy and electrical and/or mechanical energy in one process. Cogeneration system may supply one of the following:*

- (a) Electricity to a grid;*
- (b) Electricity and/or thermal energy (steam or heat) for on-site consumption or for consumption by other facilities;*
- (c) Combination of (a) and (b)”*

Further in paragraph 12, AMS-I.C/ version 14, it has been mentioned that

*“...Project activities producing both heat and electricity, including cogeneration shall use one of the following baseline scenarios;*

- (a) Electricity is imported from the grid and thermal energy (steam/heat) is produced using fossil fuel; ....”*

The basic structure of AMS-I.C has been outlined for the project activity where energy (heat, steam or electricity) is generated for onsite consumption by the same facility where the project activity is installed. In the above mentioned case the heat and power are generated and consumed in the same facility but not in one process, i.e., Co-generation as defined in AMS I.C paragraph 2. **However, the baseline scenario listed in paragraph 12 (a) includes the option that corresponds to the project.**

Project promoter would like to clarify -

Whether AMS I.C version 14 is applicable to the proposed project, where heat and power are generated in two processes for onsite consumption and a corresponding baseline scenario can be used.

### Recommendation by the SSC WG:

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

Please refer to paragraph 12 of the meeting report of the SSC WG 24 ([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 agreed to clarify that AMS-I.C is intended for project activity that produces thermal energy or co-generate heat and power for users and households. The underlying project activity that produces heat and power in separate element processes (i.e., heat from a boiler and electricity from biogas engine)

does not fit under the definition of co-generation project as prescribed in paragraph 2 of AMS-I.C.

The SSC WG agreed to clarify that there is an editorial error in paragraph 12 (a) and should be read as “Project activities producing both heat and electricity, using cogeneration shall use one of the following baseline scenarios:”

The project proponent may explore the possibility to apply AMS-I.D for electricity component (electricity from biogas engine) and AMS-I.C for heat component (from Thermal oil boiler using biogas) provided that all the elements of the respective methodologies and the de-bundling criteria of SSC project activity are satisfied.



Signature of SSC WG Chair .....

(Peer Stiansen)

Date: 19/02/2010



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

(Hugh Sealy)

Date: 19/02/2010

**Information to be completed by the secretariat**

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