



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 the monitoring of net electricity in AMS-I.D
<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.D. ver. 15
<i>Name of the authors of the query:</i>	Institution: VEECC., JSC / VnCO2 Consulting Group contact@veecc.com.vn

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 proposal is to seek the clarification on the concept of “net electricity” which is stated in paragraph 17, page 7/9 “ Monitoring shall consist of metering the net electricity supplied by the project activity to the grid”.

The PP is consulting some renewable energy CDM projects (e.g., small hydro power projects) which have applied the methodology of AMS.I.D (version 15). However, during validation onsite, some DOEs are of the opinion that the “net electricity” which is required to monitor in accordance with the methodology can not be measured by electrical meters and it must be calculated by difference between the “exported electricity” which can be directly obtained by metering and “imported electricity” which also can be directly measured by metering. Besides, the DOE’s also required the PP to measure the total electricity generated by the Project activity by each generator unit which the PP deemed it is not necessary.

At the same time, some others have deemed that the “net electricity” which is stated in paragraph 17 of AMS.I.D (version 15) can be immediately measured by metering and it is the same with the “exported electricity” which has already been subtracted the auxiliary consumption and transmission lost.

In PP’s understanding, the “net electricity” to be measured by electrical meters and it is the same with the “exported electricity” to the Grid, and as per AMS.I.D only net electricity (exported electricity) is required to monitor during crediting period and two years after the end of the crediting period.

In addition, the PP also referred to some projects which have been registered and published on the UNFCCC’s website, e.g., Project No. 2893 (<http://cdm.unfccc.int/Projects/DB/RWTUV1249547323.69/view>) which showed that the “net electricity” is calculated as difference between the exported electricity and imported electricity. Whereas, another, e.g., Project No. 2891 (<http://cdm.unfccc.int/Projects/DB/DNV-CUK1249543116.9/view>) which showed that the “net electricity” is directly measured by metering.

As un-clearness of the methodology that could lead to misunderstand and make a confusion in understanding or be not identical writing therefore the PP would like to seek the clarifications on this issue from SSC WG and the PP ventures to propose that the concept of “net electricity” should be footnoted foolproof in the AMS.I.D (version 15 or coming version) and it should be shown to how the “net

electricity” is determined in transparent manner, (e.g., by calculation or by metering).

Recommendation by the SSC WG:

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

Please refer to paragraph 20 of the meeting report of the SSC WG 24
(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 as follows:

- 1) **Metering the net electricity supplied by the project activity to a grid as required by paragraph 17 of AMS-I.D:** The net electricity export/supplied to a grid is calculated as the difference between the measured quantities of the grid electricity export and the import. The grid electricity export and the import are measured either by two separate energy meters or by a single bi-directional energy meter used for billing purposes and installed at the grid interface.
- 2) **Gross electricity generation:** It is the electricity generated at the generator(s) terminal. Measurement of this parameter is not mandatory/essential however may be optionally used as one of the measures to meet the QA/QC requirement to cross check “net electricity supplied to a grid” calculated from the procedure above. Net electricity supplied to a grid is calculated as gross energy generation in the project activity power plant minus the auxiliary/station electricity consumption, technical losses and electricity import from the grid to the project power plant measured at the grid interface used for billing purposes.



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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