



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)

Date of SSC WG meeting:	16–19 June 2009, SSC WG 21
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Request for revision on the monitoring of electricity in AMS-I.D
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-I.D
Name of the authors of the query:	Siddharth Yadav Institution: SGS UK Limited Siddharth.yadav@sgs.com , Vikrant.badve@sgs.com , Khalid.Bilal@sgs.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 DOE:

As per Approved Small Scale Monitoring Methodology I.D. Grid connected renewable electricity generation, Version 13, the monitoring plan shall consist of metering the electricity generated by the renewable technology.

A clarification is required for the electricity monitoring requirement of AMS-I.D. As per the wording in AMS I D ver13 monitoring procedure required '*metering the electricity generated by the renewable technology*'. It is not clear whether the net electricity exported / supplied to grid which is metered at grid interface is considered as electricity generated or the gross electricity generated which is metered at the generation end is considered as electricity generated. Please note that in case of grid connected power plant payment was made by respective grid based on the net electricity exported / supplied to grid which is metered at the grid interface.

Thus considering the above fact the requirement under AMS I.D. shall be '*metering the electricity **supplied** by the renewable technology to the grid*' instead of '*metering the electricity generated by the renewable technology*'. Following paragraph provides justification for this.

Justification:

As per the electricity monitoring pattern observed in grid connected renewable energy projects the entire generated electricity is being evacuated to the grid after deducting import from grid and auxiliary consumption and the electricity monitoring is governed by the Terms and Conditions as mentioned in the Power Purchase Agreements (PPA) signed with the respective Electricity Board. As commonly observed, the electricity supplied to the grid is being monitored through a set of energy meters (Main meter and Check meter) installed at the grid interface. These energy meters are owned and under control of respective electricity authority. As per the conditions of the PPA project participants can not intervene in to this metering process. Moreover, the electricity export / supply to the grid is metered through the energy meter at the grid interface which excludes the relevant transformer loss and line loss i.e. the

monitored electricity in turn represents the net electricity generation by the project activity.

Even if project activity uses fossil fuel there is no issue of issuing extra credits for the power generated using fossil fuel as in that case project proponent is required to monitor the fossil fuel consumption for calculation of project emissions which will be finally deducted from baseline emissions.

The electricity export / supply to grid is consistently cross verifiable through monthly joint meter reading (JMR) statements which is being endorsed and registered in presence of both; electricity board personnel and the representative from project personnel. Furthermore the invoices are being generated based on JMR statements by project proponent and electricity board authority makes payment to the respective project proponent.

Based on the actual ground reality, this electricity export / supply to grid which is being monitored at the grid interface is representing the actual renewable electricity which is replacing the carbon intensive electricity at grid power generation mix. Thus the emission reduction calculation based on the amount of electricity export / supply to grid as mentioned in power invoice is the most conservative approach. Thus the requirement under AMS ID shall be '*metering the electricity **supplied** by the renewable technology to the grid*'.

If you are proposing an amendment/revision to an approved small-scale methodology (AMS) please provide the draft methodology with changes highlighted.

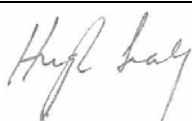
Please refer to paragraph 13 of the meeting report of the SSC WG 21 (http://cdm.unfccc.int/Panels/ssc_wg).

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-I.D taking into account the changes proposed in the submission together with other related submissions. The revision includes guidance on the monitoring of electricity generated by the project activity. It also includes a procedure to estimate project emissions for a geothermal project activity as well as other editorials changes. Please refer to annex 10 of the 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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