



**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>	30 January–02 February 2012, SSC WG 35
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Clarification of AMS-II.F regarding requirements of demonstrating financial additionality and the use of sampling method for monitoring
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMS-II.F “Energy efficiency and fuel switching measures for agricultural facilities and activities”
<i>Name of the authors of the query:</i>	Santosh Deshmukh Institution: Jain Irrigation Systems Limited <a href="mailto:jisl@jains.com">jisl@jains.com</a> , <a href="mailto:deshmukh.santosh@jains.com">deshmukh.santosh@jains.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:

The request for clarification refers application of Methodology.

The project activity underlying this request for clarification is for Improvement in Energy Efficiency through Micro-Irrigation Systems (MIS) in cultivation

The purpose of the project activity is reduction of carbon dioxide emissions associated with grid electricity consumption for pumping of water from bore wells/opens well for cultivation of banana crop. The proposed project will replace Flood Method of Irrigation (FMI) with Micro Irrigation Systems (MIS) that will reduce electricity consumption required for pumping of water. MIS comprises Drip Method of Irrigation (DMI) that delivers water directly to the root zone of crops resulting in better water use efficiency.

As the project activity achieves energy efficiency i.e. electricity requirement for pumping water for irrigating by conventional FMI and the electricity requirement for pumping water by irrigating with DMI resulting in a decrease of energy consumption and a saving of electricity consumption. The project is eligible to get registered as CDM Activity. It has been decided to register the activity for CDM to claim carbon credits for the energy savings. 2400 small farmers are chosen under the project activity in Jalgaon Dhule Nandurbar & Nashik districts of the region who own together 5000 ha of land. All these 2400 farmers are bundled under the project activity.

Jain Irrigation Systems Limited is a manufacturer of drip irrigation systems and has been propagating the use of these systems in agriculture practice. Jain Irrigation has taken the initiative to implement the project as facilitator, as the individual farmers do not have wherewithal and can not afford the expenditure/procedures involved in developing the project under CDM.

There are certain requirements of the approved methodology AMS II F (version 9) which we found quite complex for the small farmers to follow while developing the PDD. We seek clarification from the Board whether exemption can be made from these requirements considering the size and capacity of the project participants.

*I) As per approved Methodology AMS II.F, Version 09, the demonstration of additionality is necessary especially with respect to some financial indicators. Project participants shall demonstrate that reduced energy consumption is not prompted by financial constraints leading to downscaled operations, but rather CDM-driven.*

Determination of financial indicator at individual farmer level found to be complex considering the size of the investment and the benefits involved. In the baseline case there is no investment because the cultivation is carried out under flood method of irrigation and is the common practice in the region. Use of drip irrigation and ascertaining the energy savings due to use of drip method of irrigation is found to be difficult since implementation is carried out in phased manner and the savings are not significant considering a single farmer as one unit. In these circumstances, is it feasible to demonstrate additionality based on barriers instead of through financial indicators?

## **II) Monitoring**

*As per applied methodology Metering the energy use of the equipment installed is required*

The PP desires clarification with respect to the metering the energy use of the equipment installed; and whether the same can be based on the Sampling and surveying method as installing individual meters at each farmer's farm is costly and not economical to the farmer.

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

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

Please refer to paragraph 41 of the meeting report of the SSC WG 35  
<[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 recommend a revision of AMS-II.F, as contained in annex 22 of the meeting report of the SSC WG 35.

Signed by the Chair, Ms. Fatou Gaye

Date: 02/02/2012

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 02/02/2012

### **Information to be completed by the secretariat**

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