

Final Ruling Regarding the Request for Registration of Programme of Activities

“Heat Retention Cooking in South Africa” (5174)

The CDM-Executive Board decided to reject the above proposed programme of activity (PoA) on 10 May 2012 in accordance with the “*Procedures for review of requests for registration*”, version 1.2, EB 55, Annex 40, paragraphs 20 and 28 (the procedures). In accordance with paragraph 27 of the procedures, the ruling shall contain an explanation of the reasons and rationale for the final decision which are as follows:

- The DOE (TÜV-SÜD) failed to substantiate: (i) the compliance of determining the baseline emissions with AMC II.C version 13, paragraph 6; (ii) the completeness of the sampling plan in accordance with EB 50, annex 30, paragraph 33; and (iii) the compliance of the monitoring plan with AMC II.C version 13 as required by validation and verification manual (VVM) version 1.2, paragraph 123 (a).
- AMS II.C version 13, paragraph 6 states that “If the energy displaced is electricity, the emission baseline is determined using one of the two following options:
 - Option 2: The specific energy consumption of the system in the baseline times the output in project year y times the emission factor for the electricity displaced.
EER, Specific Energy consumption in the baseline (MWh/unit). EER is calculated as total annual electricity consumed in the baseline divided by total quantity of annual output in the baseline. Data from at least 3 years prior to project implementation shall be used in the calculations, e.g., water supply from a pumping station (records of output can be used in lieu of actually monitored baseline data). For facilities that are less than 3 years old, all historical data shall be available (a minimum of one year data would be required)”
- EB50, Annex 30, paragraph 33 states that “PDDs for projects that rely on sampling for parameter value determination should include complete sampling plans. These plans should include:
 - Sampling Objective.
 - Field Measurement Objectives and Data to be collected. The plan should clearly describe the variables and data to be collected, the scope and method of the survey or field measurements, their frequency, and how the data will be used.
 - Target Population and Sampling Frame.
 - Sample Method.
 - Desired Precision/Expected Variance and Sample Size. The plan should present and justify the target number of completed surveys or field measurements (the sample size). That justification should include a prediction of the variance of the parameters of interest and basis for that prediction. The plan must include formulas for calculating confidence and precision of determined parameter value.
 - Procedures for Administering Data Collection and Minimizing Non-Sampling Errors.
 - Implementation”.
- VVM version 1.2, paragraph 123 (a) states that “The DOE shall apply a two-step process to assessing compliance with this requirement, as follows:
 - (a) Compliance of the monitoring plan with the approved methodology. The DOE shall:
 - (i) By means of document review, identify the list of parameters required by the selected approved methodology;
 - (ii) Confirm that the monitoring plan contains all necessary parameters, that they are clearly described and that the means of monitoring described in the plan complies with the requirements of the methodology ”.



- The DOE failed to substantiate the applicability of the option 2 in determining the baseline emission of electricity consumption given that the DOE has not explained whether the facilities (households) are less than three years old to use one year historical data in determining the specific energy consumption in the baseline.
- The DOE failed to substantiate the completeness of the sampling plan as the DOE has not : (i) provided the data to be collected; (ii) explained the method of survey; (iii) explained whether the sampling method is simple random sampling or two stage sampling as the DOE has explained either can be used; (iv) explained whether sample size of 300 is at CPA level or PoA level; and (v) explained the value of the prediction of variance and how the suitability of this value has been validated.
- The DOE failed to substantiate how the difference of the household energy consumption between the project group and baseline group, which will be monitored and used to calculate the emission reduction, is attributable to the heat-retention device of the project activity.

Please note, however, that, with appropriate revisions, this programme of activity may be resubmitted for validation and registration provided it meets the requirements for validation and registration, in accordance with paragraph 42 of the CDM Modalities and Procedures (Decision 3/CMP.1).

History of the document

Programme of activities 5174	Related to EB 55 Annex 40 Paragraphs 20, 27 & 28 10 May 2012	Decision Class: Ruling Document Type: Ruling Note Business Function: Registration
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