

**CDM-POA7359-RULE03**

Ruling note

---

Request for issuance for “PoA for the Reduction of emission from non-renewable fuel from cooking at household level”

Version 01.0



1. The CDM-Executive Board decided to reject the proposed request for issuance for CDM programme of activities "PoA for the Reduction of emission from non-renewable fuel from cooking at household level" for the monitoring period of 28 May 2014 – 2 May 2017 (7359-MP1-IRP1) on 27 July 2020, in accordance with the "CDM project cycle procedure of programme of activities" (PCP-PoA), version 02.0, paragraph 261. Further, in accordance with paragraph 271 of the PCP-PoA, the ruling shall contain the facts and any interpretation of the facts that formed the basis of the proposed ruling, the CDM rules and requirements applied to the facts and the interpretation of the CDM rules and requirements as applied to the facts, which are as follows:
  - (a) The DOE (KBS Certification Services Pvt. Ltd, KBS) failed to:
    - (i) Assess that the type of technologies implemented by the CPAs to provide quality drinking water through community water purification systems (i.e. hand pumps with water filter) is in line with the technological description given in the CPA-DDs (i.e. a pre-approved equipment that uses a combination of reverse osmosis and ultraviolet system which is portable), as required by paragraph 159(e) of Project Standard for Programme of Activities (PS-PoA), version 2.0 and paragraph 341 of the Validation and Verification Standard for Programme of Activities (VVS-PoA) version 2.0;
    - (ii) Verify that the monitoring plan was developed in line with the requirements of the monitoring methodology, in particular checking whether all appliances (or a representative sample thereof) were in operation or were replaced by another appliance with an equivalent service is not included in the monitoring plan, as required by paragraph 12 of AMS-I.E version 4.0 and paragraph 343 of the Validation and Verification Standard for Programmes of Activities (VVS-PoA), version 2.0;
    - (iii) Verify whether the monitoring of the parameter  $N_{p,y}$  (number of people drinking purified water) was conducted in line with the frequency stipulated in the monitoring plan contained in the CPA-DDs, as required by paragraph 348 of the Validation and Verification Standard for Programmes of Activities (VVS-PoA), version 2.0;;
    - (iv) Verify the expected mean and standard deviation used by the CME to determine a sample size of 85 households, as required by paragraph 13 of the "Standard: Sampling and surveys for CDM project activities and programmes of activities" – version 4.0;
    - (v) Assess, with proper sources, the appropriateness and conservativeness of capping the number of occupants per household to 4, as required by paragraph 360(a) of the VVS-PoA, version 2;
  - (b) The relevant requirements are:
    - (i) paragraph 159(e) of Project Standard for Programme of Activities (PS-PoA), version 2.0 states – "When describing the proposed CPA, the coordinating/managing entity shall provide, inter alia, the following information: (...) e) The technologies/measures to be employed and/or implemented by the CPA in accordance with the corresponding generic CPA, including: (i) A list of the facilities, systems and equipment that will be

- installed and/or modified by the CPA; (ii) The types and levels of services provided by the facilities, systems and equipment and their relation, if any, to other facilities, systems and equipment outside the project boundary; (iii) The arrangement of the facilities, systems and equipment; (iv) The age and average lifetime of the equipment based on the manufacturer's specifications and industry standards that are within the range specified in the corresponding generic CPA; (v) The installed capacities, load factors and efficiencies that are within the range specified in the corresponding generic CPA; (vi) The energy and mass flows and balances of the facilities, systems and equipment, if necessary; (vii) The monitoring equipment and their location in the systems";
- (ii) VVS-PoA, version 02.0, paragraph 341 states – "By means of an on-site inspection or other means of verification (...), the DOE shall assess that all physical features (technology, project equipment, and monitoring and metering equipment) of the included CPAs specified in the included CPA-DDs are in place and that the coordinating/managing entity has operated the registered CDM PoA and included CPAs as per the registered PoA-DD and included CPA-DDs or any approved revised PoA-DD and CPA-DDs (...);"
- (iii) VVS-PoA, version 02.0, paragraph 343 states - "The DOE shall determine whether the registered monitoring plan is in accordance with the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents" and paragraph 12 of AMS-I.E version 4.0 states "Monitoring shall consist of checking of all appliances or a representative sample thereof, at least once every two years (biennial) to ensure that they are still operating or are replaced by an equivalent in service appliance.";
- (iv) VVS-PoA, version 02.0, paragraph 348 states - "For a non-A/R registered CDM PoA, if the coordinating/managing entity applied a sampling approach to determine data and parameters monitored, the DOE shall assess the compliance of the sampling efforts and surveys with the validated sampling plan in accordance with the "Standard: Sampling and surveys for CDM project activities and programme of activities";
- (v) Paragraph 13 of the "Standard: Sampling and surveys for CDM project activities and programmes of activities" states – "When developing a sampling plan, the project participants or the coordinating/managing entity shall calculate the sample size required to achieve a required level of reliability. (...) The calculation is dependent on all of the following as well as the target level of confidence and the precision (e.g. 90/10 or 95/10):
- a. The type of parameter of interest, that is, mean value or proportion value;
  - b. The target value, that is, the expected value of the parameter, which should be determined using the project participants' or the coordinating/managing entity's knowledge and experience;
  - c. Expected variance (or standard deviation) for that measure in the sample, based on the results from similar studies including other

similar CDM project activities or previous monitoring periods, pilot studies, or from the project planner's own knowledge of the data";

- (vi) VVS-PoA, version 02.0, paragraph 360(a) states that the DOE shall provide "An indication of whether a complete set of data for the monitoring period was not available because activity levels or non-activity parameters were not monitored in accordance with the registered monitoring plan, and if so, whether the most conservative values approach was applied or alternative monitoring arrangements were proposed or have been approved by the Board";
- (c) The reason and rationale for the final decisions are:
- (i) The technologies implemented by the CPAs, i.e. hand-pumps with water filters, are not in line with the types of technologies indicated in the CPA-DDs, i.e. pre-approved equipment that uses a combination of reverse osmosis and ultraviolet system which is portable. The Project Standard for Programme of Activities (PS-PoA), version 2.0, paragraph 159(e) requires the CME to provide information about the technologies/measures to be employed and/or implemented by the CPA when describing the CPA, in accordance with the corresponding generic CPA. Therefore, as the technology implemented, reported and verified is not described in the CPA-DDs, the implementation of hand-pumps with water filters is considered not in line with the technology description provided in the CPA-DDs;
  - (ii) The monitoring plan in the PoA-DD and CPA-DDs do not include the requirements from paragraph 12 of AMS-I.E. version 4.0, i.e. checking of all appliances or a representative sample thereof, at least once every two years (biennial) to ensure that they are still operating or are replaced by an equivalent in service appliance;
  - (iii) The monitoring of parameter  $N_{p,y}$  was conducted biennial, which is considered not in line with the frequency as defined by the monitoring plan from the CPA-DDs, i.e. annually;
  - (iv) The sample size of 85 households was not calculated taking into account the expected mean and expected standard deviation, as required by paragraph 13 (b) and (c) of the "Standard: Sampling and surveys for CDM project activities and programmes of activities";
  - (v) The DOE also failed to explain how it was verified the basis for accepting the value of 4 occupants per household, including the sources verified to justify the conservativeness of this value.
2. In accordance with paragraphs 278 of the PCP-PoA, version 2.0, the DOE may re-submit the request for issuance with revised documentation if the reasons for the rejection can be addressed by means of a revised verification report, based on a revised monitoring report as appropriate.

-----

CDM-POA7359-RULE03

Ruling note: Request for issuance for "PoA for the Reduction of emission from non-renewable fuel from cooking at household level"

Version 01.0

---

### Document information

---

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	18 September 2020	Initial publication. Related to CDM project cycle procedure for programme of Activities, version 02.0 (Paragraphs 265, 272)

---

Decision Class: Ruling

Document Type: Ruling note

Business Function: Issuance

Keywords: E-0051, PoA7359, calculations, monitoring plan, rejection of request for issuance

---