




## Validation report form for post-registration changes for component project activities

(Version 02.0)

*Complete this form in accordance with the instructions attached at the end of this form.*

### BASIC INFORMATION

<b>Title and UNFCCC reference number of the component project activity (CPA)</b>	MicroEnergy Credits – Microfinance for Clean Energy Product Lines – Africa –CPA 01  UNFCCC reference number: 10341-P1-0001-CP1	
<b>Version number of the validation report</b>	2.0	
<b>Completion date of the validation report</b>	11/08/2020	
<b>Version number of PoA-DD and CPA-DD applicable to this validation report</b>	Version number of PoA-DD: 4.0 Version number of CPA-DD for 10341-P1-0001-CP1: Version:4.0	
<b>Title and UNFCCC ref. no. of the registered PoA into which the CPA is included</b>	10341: MicroEnergy Credits – Microfinance for Clean Energy Product Lines – Africa	
<b>Type(s) of CPA PRCs</b>	<input checked="" type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of monitoring plan <input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents <input type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation activities	
<b>Coordinating/managing entity (CME)</b>	MicroEnergy Credits Corp	
<b>Host Parties</b>	Host Party of the PoA	Is this the host Party of a CPA covered in this monitoring report? (yes/no)
	Kenya	Yes
	Uganda	No
<b>Applied methodologies and standardized baselines</b>	Methodology: 1. AMS-III.AR “Substituting fossil fuel based lighting with LED/CFL lighting systems” (Version 5) 2. AMS-II.G: “Energy efficiency measures in thermal applications of non-renewable biomass” (Version 08) 3. AMS III.AV: “Low greenhouse gas emitting water purification systems” (Version 05)	

	Standardized Baseline: Not applicable
<b>Mandatory sectoral scopes</b>	1: Energy industries (renewable - / non-renewable sources), 3: Energy demand
<b>Conditional sectoral scopes, if applicable</b>	NA
<b>Name and UNFCCC reference number of the DOE</b>	Earthood Services Private Limited E-0066
<b>Name, position and signature of the approver of the validation report</b>	 Dr. Kaviraj Singh Managing Director

## SECTION A. Executive summary

### Background

The PoA aims at dissemination of clean energy products in Kenya and Uganda. Three broad categories of products included in the PoA are improved cookstoves, solar lighting systems/ lamps and water purifiers. PoA through the dissemination of these technologies aims to reduce the amount of fuel required to cook and boil water for safe drinking and to replace fossil fuel burning lamps for lighting in low income households in the host countries. In absence of the PoA, the households typically rely upon kerosene, non-renewable woody biomass and charcoal for primary fuel burning.

This validation report for PRC covers implemented CPA 10341-P1-0001-CP1 included in the registered PoA-DD.

CPA reference number	Date of inclusion	Version of revised approved CPA DD
10341-P1-0001-CP1	21/02/2017	Version 4.0

### Scope of validation

Earthood Services Private Limited is contracted by the CME to perform the validation of the post-registration changes proposed to the CPA under verification. The scope of validation includes the assessment of the proposed PRC primarily identified by CME as a temporary deviation from the monitoring plan as part of verification assessment. This validation is an independent and objective review of all the post-registration changes proposed from revised CPA DD against criteria stipulated in latest valid versions of CDM VVS for PoA /4/, CDM PS for PoA /2/, CDM PCP for PoA /3/ and other related and relevant requirements, as appropriate.

### Validation process

The validation process is undertaken by a qualified and competent validation team, involving a desk review of proposed post-registration changes as proposed in the Monitoring Report Version 5 /5/ provided by CME, interview or interactions with the representatives of CME, reporting and closure of findings, as appropriate and preparing a draft validation report complying with the relevant CDM requirements. The validation report prepared by the validation team is reviewed by an independent Technical Review team. The final validation report that is accepted by Technical Reviewer is then approved on behalf of Earthood Services Private Limited and processed further as per CDM procedures.

### Conclusion

The review of the revised MR, supporting documentation and subsequent follow-up actions (interviews) have provided ESPL with sufficient evidence to determine the fulfilment of stated criteria.

ESPL has performed the validation of the post registration changes of the CDM PoA "MicroEnergy Credits – Microfinance for Clean Energy Product Lines – Africa" having UNFCCC Ref. Number 10341. The post registration change was identified during the verification for the 1<sup>st</sup> monitoring period **21/02/2017- 25/03/2020** of the PoA. For the CPA under verification it is the first verification.

The proposed post registration change includes the following:

a) During this monitoring period a temporary deviation from the registered monitoring plan occurred as CME was unable to conduct monitoring for determination of project stove efficiency in accordance with approved monitoring plan as per PoA-DD and CPA-DD.

The validation of post registration changes concluded that the type of changes proposed in the revised MR Version 5, dated 07/08/2020 /5/ can be submitted as notification of changes to a CPA to secretariat in-line to para 168 (a) of the PCP for PoA, and in line with para 169 of PCP for PoA it requires no submission of revised CPA-DD. The validation confirms that the proposed post registration changes comply with all the relevant CDM requirements of the applied methodology and all other applicable tools and guidance.

This report is the combined assessment opinion for all the changes from the public MR and request is hereby submitted with issuance request to CDM EB.

## SECTION B. Validation team, technical reviewer and approver

### B.1. Validation team member

No.	Role	Signature	Last name	First name	Affiliation	Involvement in
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					(e.g. name of central or other office of DOE or outsourced entity)	Document review	On-site inspection	Interviews	Validation findings
1.	Team Leader	IR	Guleria	Shifali	Central Office	Y	N	Y	Y
2.	Verifier (Trainee)	IR	Kumar	Ajay	Central Office	Y	N	Y	Y
3.	Methodological expert	IR	Guleria	Shifali	Central Office	Y	N	Y	Y
4.	Methodological expert	IR	Gautam	Ashok	Central Office	Y	N	N	Y
5.	Technical Expert (TA1.2, TA3.1)	IR	Guleria	Shifali	Central Office	Y	N	Y	Y
6.	Local expert	EI	Njeri	Virginia	Central Office	Y	N	Y	Y

## B.2. Technical reviewer and approver of the validation report on CPA PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical Reviewer	IR	Garg	Shreya	Central Office
2.	TE to TR	IR	Garg	Shreya	Central Office
3.	Approver	IR	Singh	Kaviraj	Central Office

## SECTION C. Means of validation

### C.1. Document review

The complete list of documents/evidences reviewed or referenced during the validation is provided in the Appendix 3

**C.2. On-site inspection**

Duration of on-site inspection: NA				
No.	Activity performed on-site	Site location	Date	Team member

The temporary deviation was identified at the time of Desk-review as CME was unable to demonstrate the compliance of monitoring activities for determination of efficiency of project improved cookstoves in line with approved monitoring plan in PoA-DD and CPA-DD during the current monitoring period (21/02/2017-25/03/2020) for one of the technologies distributed i.e. Improved cookstoves. Following para 231 of the PS for PoA Version 2, temporary deviation is proposed during the current monitoring period. No site-visit was conducted for the scope of validation of PRC. Since, the temporary deviation was identified during verification and the scope is not complete validation of the PoA and in accordance with paras 279 and 184 of the VVS for PoA/4/, it is optional for the DOE to conduct on-site assessment. However, remote interviews with CME representatives and end-user surveys were conducted during verification as explained in verification report/6/. A thorough desk review along with remote interviews & surveys conducted by the validation team was used as an alternative means to validate the temporary deviation.

**C.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Karthik	Anantha	CME Representative	24/07/2020	Post-registration changes, Compliance with monitoring plan	Shifali Guleria
2.	Ayumbe	Trevor	CME Representative	24/07/2020	Post-registration changes, Compliance with monitoring plan	Shifali Guleria

**C.4. Clarification requests, corrective action requests and forward action requests raised**

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with CPA-DD form	-	-	-
Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents	CL#01	-	-
Corrections	-	-	-
Changes to the start date of the crediting period	-	-	-
Inclusion of monitoring plan	-	-	-
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents	-	-	-
Changes to the project design	-	-	-
Changes specific to afforestation and reforestation activities	-	-	-
Others (please specify)	-	-	-
<b>Total</b>	01	00	00

**SECTION D. Validation findings****D.1. Compliance with CPA-DD form**

<b>Means of validation</b>	This PRC proposes only temporary deviation. Thus, as per para 168 of PCP for PoA /3/ the changes were required to be reflected only in the MR and does not require any revision in the CPA-DDs/7/.
<b>Findings</b>	No findings were raised
<b>Conclusion</b>	Not Applicable

**D.2. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents**

<b>Means of validation</b>	<b>Proposed Post-registration change:</b>
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Deviation from the monitoring plan in revised approved PoA-DD and CPA-DD to determine efficiency of project improved cookstoves. The deviation is sought for one of the two technologies (Improved cookstoves) disseminated under the CPA 10341-P1-0001-CP1.

*Parameter not monitored in compliance with PoA-DD and CPA-DD:* "Efficiency of the device of each type i and batch j implemented as part of the project activity" ( $\eta_{\text{new},i,j}$ ).

#### **Reason for Deviation:**

As part of the verification of the first monitoring period covering duration from 21/02/2017 to 25/03/2020, wherein the monitoring report /5/ consists of one CPA being verified for the first time, it was noted that for improved cookstoves distributed under CPA-01, the method used for determining the efficiency of project device i.e. ICS was not in line with monitoring plan prescribed in revised accepted PoA-DD and CPA-DD.

According to revised approved PoA-DD parameter table for "Efficiency of the device of each type i and batch j implemented as part of the project activity", efficiency of each stove is to be adjusted for loss of efficiency as per option (d) in para 25 of applied methodology AMS.II.G version 8.0. Para 25(d) of applied methodology quoted in PoA-DD/1/ requires CME to determine the loss in efficiency annually from a representative sample of each batch and use the actual loss rate that is measured. The same information is reiterated in revised accepted CPA-DD page 31, para4/7/.

However, the method used by CME to determine efficiency of ICS distributed in CPA in current issuance is to calculate the efficiency of cookstoves using a default schedule of linear degradation in efficiency up to terminal efficiency (assumed to be 20%), which does not comply with approved monitoring plan.

The reason for deviation from monitoring plan by CME is financial constraints for conducting water boiling tests. Since the number of actual ICS were low and conducting WBT annually on multiple stoves in various batches was not financially feasible, CME followed the alternative approach as described above.

Thus, CME sought temporary deviation for this non-conforming monitoring period in line with para 228 of PS for PoA version 2.0/2/. The temporary deviation is applicable on the entire duration of monitoring period i.e. from 21/02/2017 to 25/03/2020

#### **Assessment of Deviation:**

CME was unable to monitor efficiency of project cookstoves in line with approved monitoring plan in PoA-DD and CPA-DD due to financial constraints as described above.

As an alternative monitoring arrangement, CME has determined the efficiency of project cookstoves using para 25(a) of applied methodology AMS-II.G version 8 /8/, which was found to be applied appropriately as checked from monitoring report/5/ and ER sheet/9/. It is also confirmed from the ER calculations that the calculation method, in line with applied methodology, accounts for leakages. Additionally, the PoA- DD, CPA-DD and applied monitoring methodology does not prescribe any project emissions to be considered. The project emissions are already accounted in the equation referred for calculation of emission reductions. The amount of CERs calculated from this alternate method is 2,973 tCO<sub>2e</sub>, as confirmed from ER sheet calculations/9/ and verified in verification report/6/..

However, according to para 228 (a) of PS for PoA, in case alternative monitoring arrangements are proposed for non-conforming period, then CME shall apply conservative assumptions or discount factors to the calculations to the extent required to ensure that emission reductions will not be over-estimated as a result of deviation.

Therefore, to ensure that GHG emission reductions or net anthropogenic GHG removals from this issuance are not over estimated due to deviation from the approved monitoring plan and to also ensure that the conservativeness in determination of emission reductions is not compromised, CME has decided to

	<p>discount all CERs from current monitoring period calculated for improved cookstoves.</p> <p>The approach is in-line with para 228(a) of PS for PoA Version 2.0/2/ and no sources of over-estimation of CERs from applied approach were identified since 'zero' CERs are being claimed from the ICS distribution in current issuance. Thus, the alternative monitoring arrangement and discounting approach was accepted by the validation team.</p> <p>The temporary deviation has been sought for the current monitoring period. The CME is required to continue to monitor all data required for calculation of emission reductions as per the approved monitoring plan in future.</p> <p>Since, it is established that applied values are not resulting in over-estimation of CERs (zero CERs for ICS) from this issuance and temporary deviation proposed for the current monitoring period for the CPA under consideration is in line with PS for PoA ver 2.0 (para 228), therefore, this request will be sent as notification of changes to CPA to the secretariat in-line to para 168(a) of PCP for PoA.</p>
<b>Findings</b>	CL#01 was raised and resolved.
<b>Conclusion</b>	<p>The DOE confirms that</p> <ul style="list-style-type: none"> <li>• The deviation applies for the monitoring period from 21/02/2017 to 25/03/2020 (as per para 251 of CDM VVS PoA Version 2 /4/).</li> <li>• There will be no over-estimation of emission reductions due to deviation as the assumptions and formulae are applied in a conservative manner.</li> <li>• The deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan as prescribed in the PS for PoA/2/ and VVS for PoA/4/.</li> </ul>

**D.3. Corrections**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**D.4. Changes to the start date of the crediting period**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**D.5. Inclusion of monitoring plan**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**D.7. Changes to the project design**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**D.8. Changes specific to afforestation and reforestation activities**

<b>Means of validation</b>	Not Applicable
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

**SECTION E. Internal quality control**

A draft validation report that is prepared by assessment team is reviewed by an independent technical review team (one or more members) to confirm if the internal procedures established and implemented by Earthood were duly complied with and such opinion/conclusion is reached in an objective manner that complies with the applicable CDM rules/requirements. The technical review team is collectively required to possess the technical expertise of all the technical area/sectoral scope the project activity relates to. All team members of the technical review team are independent of the assessment team.

During the technical review process additional findings may be identified or the closed-out findings may be opened, which needs to be satisfactorily resolved before the request for registration is submitted to UNFCCC. The independent technical reviewer may either approve the report as such or reject/return the same in such case providing the comments/findings/issues that need to be resolved by the assessment team. The decision taken by the Technical Reviewer is final and authorized on behalf of Earthood Services Private Limited.

**SECTION F. Validation opinion**

Earthood Services Private Limited (Earthood) has performed a validation of the post-registration changes of the CPA 10341-P1-0001-CP1, project activity included under the PoA titled "MicroEnergy Credits – Microfinance for Clean Energy Product Lines – Africa". Earthood is accredited for the validation function for specific sectoral scopes the CDM programme of activity falls into.

The validation was performed on the basis of rules and requirements defined by UNFCCC for the CDM project activities. The review of the registered CPA-DDs/7/, applied methodologies/8/, supporting documentation and subsequent follow-up actions (including interviews), have provided Earthood with sufficient evidence to determine the fulfilment of stated criteria.

It is Earthood's opinion that the temporary deviation proposed in the monitoring report do not raise any concern with regards to the applicability of established baseline, additionality or scale of the project activity. The changes are only applicable for the current monitoring period and does not have any impact on the registered CPA-DD.

The changes are only in the Monitoring Report of the current monitoring period. Therefore, the PRC request is being submitted along the issuance as per Appendix 1 of PS for PoA version 2.0/2/.



## Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology for Small-scale
BE	Baseline Emission
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CH <sub>4</sub>	Methane
CL	Clarification Request
CME	Coordinating and Managing Entity
CO <sub>2</sub>	Carbon di oxide
CPA	Component Project Activity
CP	Crediting Period
DNA	Designated National Authority
DR	Desk Review
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission Reduction
ESPL	Earthood Services Private Limited
FAR	Forward Action Request
GHG	Green House Gas
GSC/GSP	Global Stakeholder Consultation Process
GW	Giga Watt
GWh	Giga Watt hour
IPCC	Intergovernmental Panel on Climate Change
KP	Kyoto Protocol
kW	kilo Watt
LoA	Letter of Approval/Authorization
LSC	Local Stakeholder Consultation Process
MoC	Modalities of Communication
MoV	Means of Validation
MP	Monitoring Plan
MW	Mega Watt
MWh	Mega Watt hour
N <sub>2</sub> O	Nitrous Oxide
PCP	Project Cycle Procedure
PE	Project Emission
PoA DD	Programme of Activities Design Document
PP	Project Participant
PRC	Post Registration Changes
PS	Project Standard
QA/QC	Quality Assurance/Quality Control
tCO <sub>2</sub> e	tonnes of Carbon di Oxide equivalent
UID	Unique Identification
UNFCCC	United Nations Framework Convention on Climate Change
V	Version
VVS	Validation and Verification Standard

## Appendix 2. Competence of team members and technical reviewers

Competence Statement			
<b>Name</b>	Shifali Guleria		
<b>Education</b>	M.Sc. (Environmental Studies and Resource Management), TERI University		
<b>Experience</b>	1+ year		
<b>Field</b>	Climate Change		
Approved Roles			
<b>Team Leader</b>	YES		
<b>Validator</b>	YES		
<b>Verifier</b>	YES		
<b>Methodology Expert</b>	YES (AMS-I.A., AMS-II.G., AMS-III.A.V., AMS-I.D, ACM0002)		
<b>Local expert</b>	YES		
<b>Financial Expert</b>	NO		
<b>Technical Reviewer</b>	YES		
<b>TA Expert</b>	YES (1.2, 3.1)		
<b>Reviewed by</b>	Shreya Garg	<b>Date</b>	09/07/2020
<b>Approved by</b>	Ashok Gautam	<b>Date</b>	09/07/2020

Competence Statement			
<b>Name</b>	Ajay Kumar		
<b>Country</b>	India		
<b>Education</b>	Master's in Environmental Sciences		
<b>Experience</b>	3 Years+		
<b>Field</b>	Climate Change		
Approved Roles			
<b>Team Leader</b>	NO		
<b>Validator</b>	NO		
<b>Verifier</b>	NO		
<b>Methodology Expert</b>	NO		
<b>Local expert</b>	YES (India)		
<b>Financial Expert</b>	NO		
<b>Technical Reviewer</b>	NO		
<b>TA Expert</b>	NO		
<b>Trainee</b>	Validator/ Verifier		
<b>Reviewed by</b>	Shreya Garg	<b>Date</b>	11/03/2020
<b>Approved by</b>	Anshika Gupta	<b>Date</b>	11/03/2020

Competence Statement	
<b>Name</b>	Ashok Gautam

<b>Country</b>	India		
<b>Education</b>	M. Sc. (Environmental Sciences) M. Tech. (Energy & Environmental Management)		
<b>Experience</b>	16 Years +		
<b>Field</b>	Energy, Climate Change & Environment		
<b>Approved Roles</b>			
<b>Team Leader</b>	YES		
<b>Validator</b>	YES		
<b>Verifier</b>	YES		
<b>Methodology Expert</b>	AMS-I.D., AMS-I.A., AMS-I.C., AMS-I.E, AMS-II.D., AMS-II.G., AMS-III.E., AMS-III.H., AMS-III.Q, AMS-III.Z., AMS-III.AV., AM0029, AM0025, AM0056, ACM0001, ACM0002, ACM0004, ACM0012, ACM0006, AM0018, ACM0009, AM0034, AMS.I.B, ACM0003		
<b>Local expert</b>	YES (India)		
<b>Financial Expert</b>	YES		
<b>Technical Reviewer</b>	YES		
<b>TA Expert</b>	YES (TA 1.1, TA 1.2, TA 3.1, TA 13.1)		
<b>Reviewed by</b>	Shreya Garg	<b>Date</b>	23/10/2019
<b>Approved by</b>	Anshika Gupta	<b>Date</b>	23/10/2019

<b>Competence Statement</b>			
<b>Name</b>	Shreya Garg		
<b>Country</b>	India		
<b>Education</b>	M.Sc. (Climate Science & Policy), TERI University		
<b>Experience</b>	6 Years +		
<b>Field</b>	Climate Change		
<b>Approved Roles</b>			
<b>Team Leader</b>	YES		
<b>Validator</b>	YES		
<b>Verifier</b>	YES		
<b>Methodology Expert</b>	AMS.I.A., AMS.I.C., AMS.I.D., AMS.I.F., AMS.II.D., AMS.II.G., AMS.II.J., AMS.III.AV., ACM0002, ACM0012		
<b>Local expert</b>	YES (India)		
<b>Financial Expert</b>	NO		
<b>Technical Reviewer</b>	YES		
<b>TA Expert</b>	YES (TA 1.2, TA 3.1)		
<b>Reviewed by</b>	Abhishek Mahawar	<b>Date</b>	01/03/2018
<b>Approved by</b>	Ashok Gautam	<b>Date</b>	01/03/2018

<b>Competence Statement</b>	
<b>Name</b>	Virginia Njeri
<b>Country</b>	Kenya
<b>Education</b>	Diploma (Business Management)
<b>Experience</b>	7 Years
<b>Field</b>	Administration
<b>Approved Roles</b>	
<b>Team Leader</b>	No

Validator	No		
Verifier	No		
Methodology Expert	No		
Local expert	Kenya		
Financial Expert	No		
Technical Reviewer	No		
TA Expert	No		
Reviewed by	Abhishek Mahawar	Date	01/03/2018
Approved by	Ashok Kumar Gautam	Date	01/03/2018

### Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	MEC	Revised and Approved PoA-DD	Version 4.0	CME
2	UNFCCC	PS for PoA	Version 2.0	Others
3	UNFCCC	PCP for PoA	Version 2.0	Others
4	UNFCCC	VVS for PoA	Version 2.0	Others
5	MEC	Monitoring Report	Version 5.0	CME
6	ESPL	Verification Report	Version 2.0	Others
7	MEC	Revised and approved CPA-DD-01	Version 4.0	Other
8	UNFCCC	Applied Methodology: AMS-II.G	Version 8.0	Others
9	MEC	ER sheet corresponding to Monitoring report	-	Others

### Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this validation

CL ID	01	Section no.	E.4.1, E.4.2	Date : 22/07/2020
<b>Description of CL</b>				
<p>According to the revised accepted CPA-DD page 31, para 4, "Determine the loss in efficiency annually from a representative sample of each batch and use the actual loss rate that is measured.".</p> <p>Similarly, according to PoA-DD parameter table for "Efficiency of the device of each type i and batch j implemented as part of the project activity", efficiency of each stove is adjusted for loss of efficiency as per option (d) in para 25 of applied methodology AMS.II.G version 8.0.</p> <p>Para 25 of applied methodology requires CME to determine the loss in efficiency annually from a representative sample of each batch and use the actual loss rate that is measured.</p> <p>From the MR and ER sheet calculations provided in worksheet tab "Summary_Monitoring" by CME, it is observed that CME has applied a default schedule of linear decrease in efficiency up to terminal efficiency. It's not clear why CME has not applied the approach from para 25(d) in applied methodology in line with revised accepted PoA-DD and CPA-DD.</p>				
<b>Project participant response</b>				<b>Date : 05/08/2020</b>

- The number of ICS distributed are very low, and due to multiple products and batches it was not financially feasible for CME to conduct the WBT annually. Hence CME chose to follow the linear degradation approach for efficiency calculation instead of WBT that was specified in PoA-DD and the Methodology.
- However, CME takes a note that this is deviation from the registered monitoring plan as well as from the methodology. Hence, CME proposes to apply for a deviation and follow an alternate monitoring approach of linear degradation of efficiency which is also allowed under the methodology.
- In addition, CME also proposed to apply the discounting to ensure the conservativeness of this approach and hence CME has now claimed zero Emission Reductions for ICS.

This temporary deviation is only applied to the current monitoring period.

**Documentation provided by project participant**

- *Revised monitoring report*

**DOE assessment**

**Date:** 06/08/2020

CME has now proposed a temporary deviation in the monitoring plan for duration of current monitoring period for not being able to monitor efficiency of project cookstoves in line with PoA-DD and CPA-DD. The ERs were calculated using default linear degradation of efficiency, which is also found to be a method prescribed in applied methodology (para 25(a)) for calculation of project cookstove efficiency. However, in order to discount the CERs in accordance with para 228(a) of PS for PoA version 2.0 such that the deviation does not result in over estimation of CERs, CME has claimed zero emissions reductions from ICS distribution. The deviation was found to be in line with the PS for PoA para 228.

Thus, CL#01 is closed

**Table 2. CARs from this validation**

CAR ID	xx	Section no.	NA	Date:	DD/MM/YYYY
<b>Description of CAR</b>					
NA					
<b>CME's response</b>				<b>Date:</b>	DD/MM/YYYY
NA					
<b>Documentation provided by CME</b>					
NA					
<b>DOE assessment</b>				<b>Date:</b>	DD/MM/YYYY
NA					

**Table 3. FARs from this validation**

FAR ID	xx	Section no.	NA	Date:	DD/MM/YYYY
<b>Description of FAR</b>					
NA					
<b>CME's response</b>				<b>Date:</b>	DD/MM/YYYY
NA					
<b>Documentation provided by CME</b>					
NA					
<b>DOE assessment</b>				<b>Date:</b>	DD/MM/YYYY
NA					

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**Document information**

Version	Date	Description
02.0	31 May 2019	Revision to: <ul style="list-style-type: none"> <li>• Ensure consistency with version 02.0 of the "CDM validation and verification standard for programmes of activities" (CDM-EB93-A08-STAN);</li> <li>• Make editorial improvements.</li> </ul>
01.0	29 December 2017	Initial publication.

<i>Version</i>	<i>Date</i>	<i>Description</i>
Decision Class: Regulatory		
Document Type: Form		
Business Function: Registration		
Keywords: post-registration change, component project activity, validation report		