




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

(Version 01.0)

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

BASIC INFORMATION

Title and UNFCCC reference number of the component project activity (CPA)	Up Energy Improved Cookstoves Programme, Uganda – CPA No 001, reference number: 9956-0001 Up Energy Improved Cookstoves Programme, Uganda – CPA No 002, reference number: 9956-0002 Up Energy Improved Cookstoves Programme, Uganda – CPA No 003, reference number: 9956-0003 Up Energy Improved Cookstoves Programme, Uganda – CPA No 004, reference number: 9956-0004
Version number of the validation report on CPA PRCs	2.1
Completion date of the validation report on CPA PRCs	31/05/2018
Version number of PoA-DD and CPA-DD applicable to this validation report	PoA DD Version 4.0 CPA DD for CPA 001 version 6.0 CPA DD for CPA 002, version 5.0 CPA DD for CPA 003, version 4.0 CPA DD for CPA 004, version 4.0
Title and UNFCCC ref. no. of the registered PoA into which the CPA is included	Up Energy Improved Cookstove Programme, Uganda UN reference number: 9956
Type(s) of CPA PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input checked="" type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of monitoring plan <input checked="" type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools <input type="checkbox"/> Changes to the project design <input type="checkbox"/> Changes specific to afforestation and reforestation activities
Coordinating/managing entity	UpEnergy Group
Host Parties	Uganda
Applied methodologies and standardized baselines	AMS-II.G.: "Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass" (Version 05.0)

Mandatory sectoral scopes linked to the applied methodologies	3
Conditional sectoral scopes linked to the applied methodologies, if applicable	N/A
Name and UNFCCC reference number of the DOE	Earthood Services Private Limited E-0066
Name, position and signature of the approver of the validation report on CPA PRCs	 Dr. Kaviraj Singh, Managing Director

SECTION A. Executive summary

The PoA involves the dissemination of highly efficient biomass fired Improved Cookstoves (ICS). The cook stoves disseminated through this programme replace the inefficient three-stone fired or equivalent with stoves which combust wood/charcoal more efficiently, and improve thermal transfer to pots, hence saving fuel and lowering greenhouse gas emissions. Each CPA supports the project's goals of reducing fuel consumption, improving health, and reducing deforestation in Uganda. The target areas are all regions of Uganda with traditional biomass stove users.

UpEnergy group is the coordinating/managing entity(CME) for the PoA. The PoA involves replacement of inefficient traditional cook stove with efficient fuel wood cook stoves with single/multiple pans in the biomass deficient households of Uganda.

The basic details of the CPAs for which PRC is being proposed are mentioned below:

CPA DD(s) title and UN reference number	Up Energy Improved Cookstoves Programme, Uganda – CPA No 001, reference number: 9956-0001 Up Energy Improved Cookstoves Programme, Uganda – CPA No 002, reference number: 9956-0002 Up Energy Improved Cookstoves Programme, Uganda – CPA No 003, reference number: 9956-0003 Up Energy Improved Cookstoves Programme, Uganda – CPA No 004, reference number: 9956-0004	
Date of inclusion	CPA 001	22/07/2014
	CPA 002	17/03/2015
	CPA 003	17/04/2015
	CPA 004	17/04/2015
Sectoral scope	3, Energy Demand	
Methodology/ies applied	AMS II G, Energy efficiency measures in thermal applications of non-renewable biomass, version 5.0	
Location of Project Activity	Uganda	
Version of registered PoA-DD	Version 4.0	

Scope of validation

Earthood Services Private Limited is contracted by CME to perform the validation of the changes made to the registered CPA-DDs/7-10/. The scope of validation includes assessment of the proposed PRC which includes minor corrections and permanent changes to registered monitoring plan of CPA DDs/7-10/. This validation is an independent and objective review of the post registration changes proposed in revised CPA DDs against latest CDM Validation and Verification Standard (VVS) for PoA/1/, Project Standard (PS) for PoA/2/, Project Cycle Procedures (PCP) for PoA/3/ and other related requirements, as appropriate.

Validation process

The validation process is undertaken by the validation team, involving a desk review of proposed changes as submitted by CME, interview or interactions with the representative of CME, reporting and closure of findings, as appropriate and preparing a draft validation report complying with the 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

This report is the assessment opinion of the post registration changes proposed in the CPA-DDs/7-10/. The proposed PRC includes correction to the CPA DDs/11-14/ to fulfil the template guidelines and permanent changes to the registered monitoring plan of these CPAs. The proposed CPA changes are in compliance with the registered PoA-DD and generic CPA-DD and do not require any changes to registered PoA or the generic CPA. The permanent changes to the registered monitoring plan of the CPAs and the corrections done to the included CPA DDs/7-10/ meet all relevant UNFCCC requirements.

As per para 228 and 251 of PS for PoA version 1.0/2/, the proposed changes to CPAs do not require prior approval. Thus, these changes are being notified to the secretariat as per para 171 of the PCP for PoA version 1.0/3/.

Besides, the proposed changes were assessed in line with Appendix 2 of PS for PoA version 1.0/2/, and it is confirmed that the proposed changes do not affect the applicability and application of the applied methodologies/11/ or accuracy and completeness of monitoring plan/7-10/.

SECTION B. Validation team, technical reviewer and approver

B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Document review	On-site inspection*	Interviews	Validation findings
1.	Team Leader	IR	Mahala	Deepika	Central Office	Y	N	N	Y
2.	Technical Expert	IR	Mahala	Deepika	Central Office	Y	N	N	Y
3.	Validator	IR	Mahala	Deepika	Central Office	Y	N	N	Y
4.	Methodology Expert	IR	Mahala	Deepika	Central Office	Y	Y	Y	Y
5.	Local Expert	EI	Khaukha	Julius	Central Office	Y	N	N	N
6.	Team Leader(old)	IR	Deka	Nayan Jyoti	Central Office	Y	Y	Y	Y
7.	Technical Expert(1.2) & Meth Expert (old)	IR	Deka	Nayan Jyoti	Central Office	Y	Y	Y	Y

*Site visit was conducted by previous team leader Nayan Deka for verification. No separate site visit was conducted for the scope of PRC.

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	Gautam	Ashok	Central Office
2	Expert to TR (3.1)	IR	Gautam	Ashok	Central Office
3	Approver	IR	Singh	Kaviraj	Central Office

SECTION C. Means of validation

C.1. Document review

Following documents have been reviewed:

- CPA DD for CPA 001 version 6.0
- CPA DD for CPA 002 version 5.0
- CPA DD for CPA 003 version 4.0
- CPA DD for CPA 004 version 4.0
- ER sheet for CPA 001
- ER sheet for CPA 002
- ER sheet for CPA 003
- ER sheet for CPA 004
- VVS for PoA version 1.0
- PS for PoA version 1.0
- PCP for PoA version 1.0

- PoA DD version 4.0

A complete list of all documents reviewed is provided under Appendix 3 of this report.

C.2. On-site inspection

Duration of on-site inspection: NA				
No.	Activity performed on-site	Site location	Date	Team member
1.	Not Applicable	Not Applicable	Not Applicable	Not Applicable

The team leader had conducted a site visit at the time verification. No separate site visit was conducted for the scope of validation of PRCs. **Complete team is indicated in section B of this report. The validation team did not undertake an on-site inspection and the same approach can be justified as per para 183 of VVS for PoA, version 1.0.

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Lohia	Rohit	Climate Secure Services	23/11/2017 11/01/2018 25/01/2018, 03/05/2018, 23/05/2018	Evidences for proposed changes (via meeting, email and phone)	Nayan J Deka, Deepika Mahala
2.	Wuster	Erik	UpEnergy group	03/05/2018, 23/05/2018	Evidences for proposed changes (via meeting, email and phone)	Deepika Mahala
3.	Haigler	Evan	UpEnergy group	03/05/2018, 23/05/2018	Evidences for proposed changes (via meeting, email and phone)	Deepika Mahala

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 or applied standardized baselines	-	-	-
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 applied standards or tools	-	CAR#1	-
Changes to the project design	-	-	-
Changes specific to afforestation and reforestation project activities	-	-	-
Others (please specify)	-	-	-
Total	-	1	-

SECTION D. Validation findings

D.1. Compliance with CPA-DD form

Means of validation	The validation team reviewed the CPA DDs /11-14/ that was provided by CME as part of proposed PRC and compared them with the current valid templates/form for CPA-DD/15/ as available at UNFCCC website and found that these were consistent.
Findings	No findings.
Conclusion	The validation team confirms that the proposed post registration changes as

	<p>included in the revised CPA-DDs /11-14/ were presented by using the valid version of CDM-CPA-DD-FORM /15/ and were in compliance with the instructions contained therein.</p> <p>The CME has used the latest version of CPA-DD form /15/ and the validation team confirms that the information transferred in this process is materially the same except the proposed post registration changes (listed in further sections).</p>
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D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.3. Corrections

Means of validation	Editorial changes: The CPA DD has been revised using an the latest template/15/ available at the UN website. To meet the template guidelines, minor corrections, have been made to the revised CPA DD, which does not change the project description or design. The DoE confirms that the information transferred to the later valid version of the form is materially the same as that in the registered PoA-DD or included CPA-DD except for the proposed changes.
Findings	No findings
Conclusion	<p>The proposed changes (minor changes have been made to provide consistent information) in the revised CPA DDs/11-14/ makes it more accurate reflection of the actual situation.</p> <p>The changes made to the CPA-DDs are consistent with the latest applicable version/15/. The information reported is consistent and accurate</p>

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

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.5. Inclusion of monitoring plan

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

D.6. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other applied standards or tools

Means of validation	<p><u>Proposed Change are as following:</u></p> <p><u>1. Revising the value of the parameter B_{old}:</u> Registered CPA DDs give following values for the parameter: 9956-0001: rural population- 4.97 tons wood/HH-year, urban population- 7.02 tons wood/HH-year 9956-0002: urban population- 7.02 tons wood/HH-year 9956-0003: urban population- 7.02 tonswood/HH-year 9956-0004: urban population- 7.02 tons wood/HH-year</p> <p>Revised CPA DDs/11-14/ applies a conservative value of 4.97 tons wood/HH-year to the all the residential users. The description in the revised CPA DDs refer to residential users and the differentiation of Urban / Rural population has been eliminated. Since, all virtues of the description in section A.1, A.3 and F of the CPA DDs remain unaltered, the change is not deemed as changes to project design. Revision of the ex-ante parameter value has not been listed as a permanent correction because the change is not a mistake, but a conservative measure adopted by the CME.</p> <p><u>DoE Assessment:</u> <u>Conservative assumption:</u> CME has considered only one value of the parameter B_{old}(Quantity of woody biomass used in the absence of the project activity in tonnes per household, tons wood/ HH-year) for the entire region i.e., 4.97ton/HH-year (Bold of rural area, which is the lowest value of the two values determined for the parameter at the time of validation of CPA 01/7/). During the previous monitoring period a weighted average of 6.12 ton/HH-year for CPA 01 and 7.02 ton/HH-year for CPA 02, CPA03 and CPA04 was used for calculating emission reductions/27/. For CPA 02, 03 and 04, the population is primarily urban as per the registered CPA DDs/7-10/. However, some samples from these CPAs reported themselves as rural (=18.29% = 15 / 82 samples) in the second monitoring(11/12/2015 – 31/10/2016) as per the usage survey sheet/30/ and verification report/31/. After the proposed PRC, the CME will apply Bold value of rural to 100%population. Appendix - 2 Baseline Study Up Energy Uganda CPA No 001"(85% rural population)/22/ and Ugandan census 2014 (78.5% rural population), to check the percentage of rural population. Using a value of 4.97 ton/HH-year of the parameter for 100% population, was found to be highly conservative.</p> <p><u>Compliance with the applied methodology:</u> The value of the parameter applied was determined through a survey of local usage at the time of validation/6/. Thus, the change complies with para 13(a) of the applied methodology/11/ and is in line to para 266 of VVS for PoA.</p> <p><u>GHG calculation:</u> Alternative monitoring method is not likely to lead to a reduction in accuracy of</p>
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calculation of GHG emissions as a highly conservative value of 4.97 ton/HH-year of the parameter for 100% population.

The small-scale threshold remains unaltered and the number of stoves installations under the CPA is limited to an equivalent aggregate 180GWh_{th} annual thermal energy savings per annum as presented in the ER sheet/23-26/. Thus, the project does not impact the scale of the CPA.

Accuracy of monitoring plan:

The monitoring parameters(μ_{old} , η_{new} , N_y , U_y) will not vary with urban or rural areas. The parameters will be monitored for the entire Uganda(region) as per the sampling plan. Sample size would be determined applying the same confidence-precision requirements set in the registered PoA DD/5/ and following sampling standard/28/. Thus, the accuracy of monitoring will be not reduced through the approach.

2. Change to the sampling frame of the monitoring plan:

As per the PoA DD/5/, page 45, CME shall define the sampling frame according to region(I)/ ICS type(II)/target population group(III).

The CPA DD (for example 9956-0001, page 15) defined the sampling frame as follows:

- Uganda-Rural / EzyStove / Residential, and
- Uganda-Urban / EzyStove / Residential

The CPA-DD further mentioned that different sample groups could be formed to ensure sample populations were homogenous.

The proposed PRC is revising the sampling plan in the light of applying the conservative single value of B_{old} parameter, after which differentiation of urban and rural in sampling frame is deemed not required.

Sampling Frame for CPA is:

- Uganda / ICS type / Residential

Compliance with the applied methodology:

The applied methodology/4/ does not restrict the approach. Thus, the change was identified as the permanent change to the monitoring plan of the CPA DDs/11-14/ and not a deviation from the applied methodology/11/.

The change does not impact the applicability of the applied methodology/11/ and complies with the applied methodology/11/.

GHG calculation and conservative assumption:

Alternative monitoring method is not likely to lead to a reduction in accuracy of calculation of GHG emissions as the same equations with a conservative value(i.e., 4.97 ton/HH-year) of the parameter B_{old} (Quantity of woody biomass used in the absence of the project activity in tonnes per household, tons wood/HH-year) will be applied for 100% population.

Assessment of accuracy of monitoring plan:

The monitoring parameters(μ_{old} , η_{new} , N_y , U_y) will not vary with urban or rural areas. The parameters will be monitored for the entire Uganda(region) as per the sampling plan. Sample size would be determined applying the same confidence-precision requirements set in the registered PoA DD/5/ and following sampling standard/28/. Thus, the accuracy of monitoring will be not reduced through the approach.

The nature and extent of non-conformity of the monitoring plan has been

	<p>described in the CPA DDs/11-14/ adequately with the alternative approach stated above. The CME has applied the most conservative assumptions for the calculation of GHG emission reductions. Thus, the DoE confirms that GHG will not be over-estimated as a result of permanent change and the approach is in line to para 236 and 237 of PS for PoA, version 1.0/2/.</p> <p>The changes explained above are in line with registered PoA-DD/5/ and generic CPA-DD/5/. Approval by the Board is not required for Post registration changes to an included CPA, as per para 228 of CDM PS for PoA version 1.0/2/. Therefore, the changes will be notified to the secretariat as referred in para 251/2/.</p>
Findings	CAR#1 was raised and resolved.
Conclusion	<p>The validation team confirms that the changes to the monitoring plan of registered CPA DDs/7-14/:</p> <ol style="list-style-type: none"> 1. does not lead to over estimation of GHG emissions. 2. does not impact applicability of the applied methodology. 3. does not impact the accuracy and completeness of the monitoring plan. <p>Thus, the DoE confirms that GHG will not be over-estimated as a result of permanent change and the approach is in line to para 236 and 237 of PS for PoA, version 1.0/2/.</p> <p>The change has been assessed in line to para 265-268 of VVS for PoA version 1.0/3/.</p>

D.7. Changes to the project design

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

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

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

SECTION E. Internal quality control

The draft validation report prepared by validation team is reviewed by an independent technical review team (one or more members) to confirm if the internal procedures established and implemented by Earthood Services Private Limited were duly complied with and whether such opinion/conclusion were 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 scopes the project activity / PoA falls into. All team members of technical review team were independent of the validation 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 by validation team before the validation report/opinion is finalized. 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 needs to be resolved by the validation team. The decision taken by the Technical Reviewer is final and is authorized by the Managing Director on behalf of Earthood Services Private Limited.

SECTION F. Validation opinion

Earthood Services Private Limited (Earthood) has performed the validation of the post registration changes of the CPA DDs (CPA001, CPA002, CPA003, CPA004) included under PoA 9956: Up Energy Improved Cookstove Programme, Uganda. The validation was performed on the basis of rules and requirements defined by UNFCCC for the CDM project activities. The review of the CPA DDs/7-10/, supporting documentation and subsequent follow-up actions (including onsite visit and interviews), have provided Earthood with sufficient evidence to determine the fulfilment of stated criteria. The proposed change is to revise the monitoring plan and apply conservative value of B_{old} for all the CPAs listed above. The description in the revised CPA-DDs/11-14/ meet all relevant UNFCCC requirements for the CDM and correctly applies the monitoring methodology/4/. This report is the combined assessment opinion for the change that is

proposed in the CPA-DDs/11-14/ as the changes were accepted as permanent changes to the monitoring plan. Therefore, as per para 228 of PS for PoA version 1.0/2/, the changes do not require prior approval. The changes will be notified to the secretariat as per para 251 of PS for PoA/2/ and para 171 of the PCP for PoA version 1.0/3/.

Appendix 1. Abbreviations

Abbreviations	Full texts
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM PCP	Clean Development Mechanism Project Cycle Procedure
CDM PS	Clean Development Mechanism Project Standard
CDM VVS	Clean Development Mechanism Validation and Verification Standard
CER	Certified Emission Reduction
CL	Clarification Request
CME	Coordinating or Managing Entity
CP	Crediting period
DOE	Designated Operational Entity
DNA	Designated National Authority
EB	Executive Board
ESPL	Earthood Services Private Limited
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
IPCC	Intergovernmental Panel on Climate Change
PoA-DD	Programme Of Activity Design Document
TA	Technical Area (with in Sectoral Scope)
TR	Technical Reviewer
VVS	Validation and Verification Standard
UNFCCC	United Nations Framework Convention on Climate Change
UNESCO	United Nations Educational, Scientific and Cultural Organizations

Appendix 2. Competence of team members and technical reviewers

Competence Statement			
Name	Nayan Jyoti Deka		
Country	India		
Education	M.Tech. (Energy Technology), Tezpur University		
Experience	9 Years +		
Field	Climate Change & Energy Management		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Methodology Expert	AMS-I.D., AMS-III.H., AMS-I.C., ACM0006, ACM0002, ACM0014, AMS-IIG, AMS-IE., AMS.III.BG		
Local expert	YES (India)		
Financial Expert	NO		
Technical Reviewer	YES		
TA Expert	YES (TA 1.1, TA 1.2, TA 13.1)		
Reviewed by	Abhishek Mahawar	Date	01/03/2018
Approved by	Ashok Kumar Gautam	Date	01/03/2018

Competence Statement			
Name	Deepika Mahala		
Country	India		
Education	M. Sc. (Environmental Mgmt), GGSIP University B.Sc. Honour (Chemistry), Sri Venkateshwar College, DU		
Experience	2 Years +		
Field	Climate Change		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Methodology Expert	ACM0002, AMS.I.D., AMS.I.A, AMS.III.AV, AMS.II.G		
Local expert	YES (India)		
Financial Expert	NO		
Technical Reviewer	NO		
TA Expert	YES (TA 1.2 & TA 3.1)		
Reviewed by	Abhishek Mahawar	Date	01/03/2018
Approved by	Ashok Kumar Gautam	Date	01/03/2018

Competence Statement			
Name	Ashok Gautam		
Country	India		
Education	M. Sc. (Environmental Sciences) M. Tech. (Energy & Environmental Management)		
Experience	16 Years +		
Field	Energy, Climate Change & Environment		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Methodology Expert	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		
Local expert	YES (India)		
Financial Expert	YES		
Technical Reviewer	YES		
TA Expert	YES (TA 1.1, TA 1.2, TA 3.1, TA 13.1)		
Reviewed by	Abhishek Mahawar	Date	01/03/2018
Approved by	Kaviraj Singh	Date	01/03/2018

Competence Statement	
Name	Julius Sam Khaukha
Country	Uganda
Education	Bachelors in Social Administration
Experience	7 Years +

Field	Education and Social Work		
Approved Roles			
Team Leader	NO		
Validator	NO		
Verifier	NO		
Methodology Expert	NO		
Local expert	YES (Uganda)		
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.	UNFCCC	CDM VVS for PoA	Version 1.0	Other
2.	UNFCCC	CDM PS for PoA	Version 1.0	Others
3.	UNFCCC	CDM PCP for PoA	Version 1.0	Others
4.	UNFCCC	Methodology AMS II.G. "Energy efficiency measures in thermal applications of non-renewable biomass"	version 05	Other
5.	CME	Registered PoA DD Generic CPA DD	Version 4.0, dated 30/06/2014	CME
6.	UNFCCC	Validation report	Version 1.0, dated 11/06/2015	Other
7.	CME	Registered CPA DD for CPA 001	Version 4.0, dated 30/06/2014	Other
8.	CME	Registered CPA DD for CPA 002	Version 3.0, dated 09/03/2015	Other
9.	CME	Registered CPA DD for CPA 003	Version 2.0, dated 06/04/2015	Other
10.	CME	Registered CPA DD for CPA 004	Version 2.0, dated 06/04/2015	Other
11.	CME	Revised CPA DD for CPA 001	Version 6.0, dated 17/05/2018	CME
12.	CME	Revised CPA DD for CPA 002	Version 5.0, dated 17/05/2018	CME
13.	CME	Revised CPA DD for CPA 003	Version 4.0, dated 17/05/2018	CME
14.	CME	Revised CPA DD for CPA 004	Version 4.0, dated 17/05/2018	CME
15.	UNFCCC	CDM-CPA-DD-FORM	Version 8.1	Other
16.	DNV	Inclusion Report for registered CPA DD (CPA 001)	Version 4.0, dated 07/07/2014	Other
17.	TUV NORD	Inclusion Report for registered CPA DD (CPA 002)	Version 0, Dated 16/03/2015	Other
18.	TUV NORD	Inclusion Report for registered CPA DD (CPA 003)	Version 0, Dated 16/04/2015	Other
19.	TUV NORD	Inclusion Report for registered CPA DD (CPA 004)	Version 0, Dated 16/04/2015	Other
20.	UNFCCC	CDM Glossary Terms	Version 10	Other

21.	UNFCCC	Implementation plan for new regulations	Version 1.0	Other
22.	CME	Baseline Study Up Energy Uganda CPA No 001: https://cdm.unfccc.int/filestorage/O/I/K/OI/K03RDW4JLAGN9Y8CSQZX2V516EMP/Baseline%20Study_Up%20Energy%20Uganda%20CPA%20No%20001.pdf?t=NG18cDMwbGZufDCurYhONfLF6NNGkwuaQvw7	-	Other
23.	CME	ER sheet for CPA 001	Pertaining to the revised CPA DD	CME
24.	CME	ER sheet for CPA 002	Pertaining to the revised CPA DD	CME
25.	CME	ER sheet for CPA 003	Pertaining to the revised CPA DD	CME
26.	CME	ER sheet for CPA 004	Pertaining to the revised CPA DD	CME
27.	ESPL	Verification report for MP 1(22/07/2014-10/12/2015)	Version 2.0 dated 20/05/2016	Other
28.	UNFCCC	Standard: Sampling and surveys for CDM PA and PoA	Version 4.0 (Annex 06, EB74)	Other
29.	Republic of Uganda	Ugandan census 2014, table 2.7, page 12 http://uganda.unfpa.org/sites/default/files/pub-pdf/CENSUS%202014%20Final%20Results_0.pdf	2014	CME
30.	CME	Annex 04 - Usage Survey - PoA9956 - Iss 2	-	CME
31.	ESPL	Verification report for MP 1(11/12/2015 – 31/10/2016)	Version 4.1 dated 05/06/2016	Other

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

Table 1. CLs from this validation

CL ID	Xx	Section no.	Date: DD/MM/YYYY
Description of CL			
N/A			
CME's response			Date: DD/MM/YYYY
N/A			
Documentation provided by CME			
N/A			
DOE assessment			Date: DD/MM/YYYY
N/A			

Table 2. CARs from this validation

CAR ID	01	Section no.	D.6.	Date : 03/05/2018
Description of CAR				
<p>The VVS PoA v1.0 paragraph 124(a) has defined that the parameter ex ante will not change during the crediting period and the update of ex ante parameter is neither under the scope of correction when there was not mistake identified nor under the scope of change of project design. The PP is requested to clarify how it is considered appropriate to change the ex-ante parameter, such as Bold from 7.02 ton/HH/y for urban households and 4.97 ton/HH/y for rural households to single 5.28 ton/HH/y for mixed households</p> <p>The sampling plan has been revised. The coordinating/managing entity shall apply conservative assumptions or discount factors</p>				

Project participant response	Date : 17/05/2018
Refer Appendix 6 of CPA DDs which details the changes proposed under PRC (under revision of monitoring plan) and how the approach is more accurate/ conservative	
Documentation provided by project participant	
9956-0001CPA DD v6.0 9956-0002CPA DD v5.0 9956-0003CPA DD v4.0 9956-0004CPA DD v4.0 9956-0001ERsheet 9956-0002ERsheet 9956-0003ERsheet 9956-0004ERsheet	
DOE assessment	Date: 04/06/2018
<p>The summary of PRC in CPA DDs, lists the changes as a permanent change to monitoring plan as the changes does not fall under the purview of design change or correction.</p> <p>The changes have been assessed in detail under section D.6. of the PRC validation opinion.</p> <p>Thus, the CAR stands closed.</p>	

Table 3. FARs from this validation

FAR ID	Xx	Section no.	Date: DD/MM/YYYY
Description of FAR			
N/A			
CME's response			Date: DD/MM/YYYY
N/A			
Documentation provided by CME			
N/A			
DOE assessment			Date: DD/MM/YYYY
N/A			

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Document information

Version	Date	Description
01.0	29 December 2017	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: post-registration change, component project activity, validation report		