Validation report form for post-registration changes for CDM programme of activities

(Version 02.0)

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

BASIC INFORMATION	
Title and UNFCCC reference number of the programme of activities (PoA)	Utsil Naj – Casa saludable para todos PoA: GS1377 VPA 4: GS2441
Process track	☐ Prior approval ☒ Issuance ☐ Renewal of PoA
Version number of the validation report on PoA PRCs	2.0
Completion date of the validation report on PoA PRCs	18/02/2019
Version number of PoA-DD applicable to this validation report	PoA-DD version 11 – 22/05/2015 VPA4-DD version 9 – 22/05/2015
Type(s) of PoA PRCs	☒ Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines ☐ Corrections ☐ Inclusion of monitoring plan ☐ Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools ☐ Changes to the programme design ☐ Changes specific to afforestation and reforestation activities
Coordinating/managing entity	Microsol S.A.S.
Host Parties	Mexico[1], El Salvador, Guatemala, Honduras, Peru
Applied methodologies and standardized baselines	Technologies and Practices to Displace Decentralized Thermal Energy Consumption – version 1.0
Mandatory sectoral scopes linked to the applied methodologies	1
Conditional sectoral scopes linked to the applied methodologies, if applicable	-

[1] Only Mexico is a host party pertaining to the VPA verified during this monitoring period

Name and UNFCCC reference number of the DOE	Earthood Services Private Limited UNFCCC Ref. Number: E-0066
Name, position and signature of the approver of the validation report on PoA PRCs	Dr. Kaviraj Singh Managing Director

SECTION A. Executive summary

Brief summary of the project activity

The Voluntary Project Activity 4 is part of the PoA "Utsil Naj – Casa saludable para todos".

The project scenario for this project is defined as each ICS Model (ICS stands for improved cook stove). The following scenarios presented for this verification are:

<table>
<tr><th>LPP (Local project participant)</th><th>ICS Model – Project scenario</th><th>ICS quantity</th><th>State</th><th>Country</th></tr>
<tr><td>AURA</td><td>Patsari</td><td>5289</td><td>SONORA</td><td rowspan="6">Mexico</td></tr>
<tr><td>GIRA</td><td>Patsari</td><td>1297</td><td>MICHOACÁN</td></tr>
<tr><td rowspan="2">FPCV</td><td>Plancha</td><td>479</td><td>STATE OF MEXICO</td></tr>
<tr><td>Tierra compactada</td><td>601</td><td>STATE OF MEXICO</td></tr>
<tr><td rowspan="2">FPP</td><td>Patsari</td><td>1329</td><td>OAXACA,
SAN LUIS POTOSI,
VERACRUZ</td></tr>
<tr><td>ONIL</td><td>618</td><td>OAXACA</td></tr>
</table>

This PoA aims to disseminate improved cook stoves that will enable the beneficiaries to reduce significantly their wood consumption and will decrease their exposure to indoor air pollution, as in these communities a large part of the population relies on wood for cooking and inefficient cooking practices are a major cause of deforestation.

In addition, the poorest population of Mexico have a very low access to basic needs and one of the most urgent issues is the health-related issue of cooking combustion habit. The design of the improved cook stoves optimizes the internal combustion, the isolating materials used (such as adobe or clay) in the construction optimize the heat efficient use and the chimney draws the toxic smokes outside the house.

The PoA and its VPAs contribute to the following SDG Goals:

1. Goal 1: No poverty;
2. Goal 3: Good health and well-being;
3. Goal 4: Quality education;
4. Goal 7: Affordable and clean energy;
5. Goal 8: Decent work and economic growth;
6. Goal 13: Climate action; and
7. Goal 15: Life on land.

* Goal 5 – Gender Equality: even though it has been reported in the MR and assessed in this verification report, the PoA is not claiming positive contribution to SDG #5 and consequently will not be certified as positive by GS as can be seen in the Transition Document to GS4GG[/13/] and assessed in CAR 2.

Scope of validation

The validation of the Post registration changes is the independent review of the deviations from the project monitoring plan that have occurred due to the registered GS project activity during the defined monitoring period.

The scope of the validation is to establish/verify that:

the temporary deviation proposed for the project activity is in accordance with applied version of the CDM Project Standard for PA, CDM Validation and Verification Standard for PA, applied methodology and tools and GS Standard.

Validation process

The validation of this Post Registration Change is part of the verification process of this Project Activity. For the details on this process, please refer to the Verification Report to which this report is attached. This Post registration change will be requested in the issuance track, as it does not involve prior approval by the board.

Conclusion

Earthood Services Private Limited has performed the validation of this temporary deviation of the monitoring plan of the Post registration change of VPA4 of the PoA “Utsil Naj – Casa saludable para todos”.
The validation team has confirmed that this deviation request complies with all eligibility criteria for the Post registration Changes in the registered GS PoA that the proposed deviation applies conservative measures to the period which it was not following the registered Monitoring Plan.
The validation team concluded that the proposed deviation complies with all relevant CDM and GS procedures/standards/guidance.

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	EI	Sebben	Marcelo	Central Office	Y	Y	Y	Y
2.	Methodological Expert	EI	Sebben	Marcelo	Central Office	Y	Y	Y	Y
3	Technical Expert	EI	Sebben	Marcelo	Central Office	Y	Y	Y	Y
4	Local Expert	EI	Lopes	Ricardo	Central Office	Y	N	N	Y

B.2. Technical reviewer and approver of the validation report on PoA 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	EI	Cruz	Sergio	Central Office
2.	Technical Expert	EI	Cruz	Sergio	Central Office
3.	Approver	IR	Singh	Kaviraj	Central Office

SECTION C. Means of validation

C.1. Document review

A desk review was conducted by the validation team that included:

a. a review of the data and information presented to verify its completeness;

b. a review of the registered monitoring plan, the monitoring methodology including applicable tool(s) and, where applicable, the applied standardized baseline, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;

c. an evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

d. A review of all applicable Standards, Guidelines and Procedures related to GS PoA.

A complete list of documents/evidences reviewed is included as Appendix 3.

C.2. On-site inspection

This process is part of the verification process of this PoA. For details, please refer to the section D.2 of the Verification Report to which this report is attached.

C.3. Interviews

This process is part of the verification process of this PoA. For details, please refer to the section D.3 of the Verification Report to which this report is attached.

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 PoA-DD form			
Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines	CL 3		
Corrections			
Inclusion of monitoring plan			
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools			
Changes to the programme design			
Changes specific to afforestation and reforestation activities			
Others (please specify)			
Total	1		

SECTION D. Validation findings

D.1. Compliance with the PoA-DD form

Not applicable as this temporary deviation does not involve any change in the PoA-DD nor VPA-DD.

D.2. Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines

Means of validation	Description:
	A temporary deviation of the monitoring plan is being requested between 01/01/2015 and 31/08/2018 as not all LPPs comprehended in this VPA 4 were monitored during this monitoring period. The LPPs that were not monitored are VAD, ESM, CDT and VDQ and their ERs accounted for this period are equal to zero. The VPA was not monitored as per monitoring plan during this period. **Accuracy:** The measure proposed by the CME is to consider the Emission Reductions equal to zero for all period which measurements were not performed. The proposed measure is accurate as no monitoring was conducted by these LPPs, thus, no ERs will be claimed. **Conservativeness:** The measure proposed is conservative as considers Emission reductions equal to zero to all informed period. This measure is considered conservative as no ERs will be claimed in the informed period.

	Prior Approval This change does not require prior approval as per Appendix of the CDM Project Standard for PA version 01.0, paragraph 1b). The conditions were applied as per paragraph 232 b) of the PS. *229)b) Apply the following most conservative values approach when alternative monitoring arrangements are not proposed. <u>This does not require approval by the Board:</u>* *(i) Apply zero for baseline GHG emissions for the entire non-conforming monitoring period; and/or* The condition (i) above is fulfilled as ERs were considered equal to zero to all period.
Findings	CL 3
Conclusion	The temporary deviations from the registered monitoring plan were assessed in accordance with applicable validation requirements related to the temporary deviations from the registered monitoring plan in the VVS. Thus, it is concluded that this change falls under Appendix 2 of Project Standard version 01.0 paragraph 1b) and the Paragraph 229) b)i) of the Project Standard and can be requested under issuance track (without prior approval)

D.3. Corrections

Means of validation	Not applicable to this Validation
Findings	
Conclusion	

D.4. Inclusion of monitoring plan

Means of validation	Not applicable to this Validation
Findings	
Conclusion	

D.5. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other applied standards or tools

Means of validation	Not applicable to this Validation
Findings	
Conclusion	

D.6. Changes to the programme design

Means of validation	Not applicable to this Validation
Findings	
Conclusion	

D.7. Changes specific to afforestation and reforestation activities

Means of validation	Not applicable to this Validation
Findings	
Conclusion	

SECTION E. Internal quality control

The assessment of Post Registration Changes that is 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 ESPL 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 to which the project activity is related. All members of technical review team are independent of the verification 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 issuance 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 needs to be resolved by the verification team. The decision taken by the technical reviewer is final and is authorized on behalf of ESPL

SECTION F. Validation opinion

The following changes were requested during this verification process.

- Temporary deviation of the monitoring plan between 01/01/2015 and 31/08/2018 as not all LPPs comprehended in this VPA 4 were monitored during this monitoring period. The LPPs that were not monitored are VAD, ESM, CDT and VDQ and their ERs accounted for this period are equal to zero. This change does not require prior approval by the board as it falls under Appendix 2 of the Project Standard version 01.0 paragraph 1b) and paragraph 229) b) by "Applying the following most conservative values approach when alternative monitoring arrangements are not proposed. This does not require approval by the Board:

    i. Apply zero for baseline GHG emissions for the entire non-conforming monitoring period

Appendix 1. Abbreviations

Please refer to Appendix 1 of the Final Verification Report to which this report is attached

Appendix 2. Competence of team members and technical reviewers

Competence Statement			
Name	Marcelo Sebben		
Country	Brazil		
Education	M.Sc. (Sustainable Energy System) B. Eng. (Chemical Engineering)		
Experience	12.5 Years		
Field	Chemical process industry, CDM, Energy, Climate Change		
Approved Roles			
Team Leader	Yes		
Validator	Yes		
Verifier	Yes		
Methodology Expert	Yes (ACM0001, ACM0002, ACM0006, AM0065, AMS ID)		
Local expert	Brazil, Chile, Honduras		
Financial Expert	No		
Technical Reviewer	Yes		
TA Expert	Yes (TA 1.1, 1.2, 5.1, 13.1)		
Reviewed by	Abhishek Mahawar	**Date**	01/03/2018
Approved by	Ashok Kumar Gautam	**Date**	01/03/2018

Competence Statement			
Name	Ricardo Lopes		
Country	Brazil		
Education	Technical Diploma in Data Processing		
Experience	12 years		
Field	CDM, Energy, Environment		
Approved Roles			
Team Leader	Yes		
Validator	Yes		
Verifier	Yes		
Methodology Expert	Yes (ACM0001, ACM0002, AM0026, AMS ID, AMS IIIH)		
Local expert	Brazil, Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Honduras, Mexico, Nicaragua, Uruguay		
Financial Expert	NO		
Technical Reviewer	Yes		
TA Expert	Yes (1.2, 13.1)		
Reviewed by	Abhishek Mahawar	**Date**	22/02/2018
Approved by	Ashok Kumar Gautam	**Date**	22/02/2018

Competence Statement			
Name	Sergio Bonanno Cruz		
Country	Brazil		
Education	Post Graduate Diploma in Environment		
Experience	25 Years		
Field	Environmental Law, CDM, Energy, Climate Change		
Approved Roles			
Team Leader	Yes		
Validator	Yes		
Verifier	Yes		
Methodology Expert	Yes (ACM0001, ACM0002, AM0026, ACM0006, AMS ID)		
Local expert	Brazil, Chile		
Financial Expert	No		
Technical Reviewer	Yes		
TA Expert	Yes (TA 1.2, 13.1)		
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	Standard: CDM PS for PoA	version 01.0	Other
2.	UNFCCC	Standard: CDM PCP for PoA	version 01.0	Other
3.	UNFCCC	Standard: CDM VVS for PoA	version 01.0	Other
4.	GS	Methodology: Technologies and Practices to Displace Decentralized Thermal Energy Consumption	version 1.0	Other
5.	CME	**PoA** - PoA design document - PoA Passport	version 11 – 22/05/2015 version 6 – 22/05/2015	Other
6.	CME	**VPA 4** - VPA design document - VPA Passport	version 9 – 22/05/2015 version 5 – 22/05/2015	Other
7.	CME	Monitoring Report – VPA 4	version 1 – 27/08/2018 version 2 – 07/11/2018 version 3– 20/11/2018 Version 4– 17/01/2019 Version 5 (final) – 12/01/2019	CME
8.	CME	ER calculations spreadsheet – VPA 4 - AURA	version 1; version 2	CME

		- $FPCV_{Plancha}$	version 3 version 1; version 2 version 3	
		- $FPCV_{Tierra\ compactada}$	version 1; version 2 version 3	
		- FPP_{Onil}	version 1; version 2 version 3	
		- $FPP_{Patsari}$	version 1; version 2 version 3	
		- GIRA	version 1 version 2 version 3	
9.	CME	SDG calculations spreadsheet – VPA 4 - AURA - $FPCV_{Plancha}$ - $FPCV_{Tierra\ compactada}$ - FPP_{Onil} - $FPP_{Patsari}$ - GIRA	 version 1; version 2 version 3 version 1; version 2 version 3 version 1; version 2 version 3 version 1; version 2 version 3 version 1; version 2 version 3 version 1 version 2 version 3	CME
10.	CME	Surveys spreadsheet – VPA 4 - AURA - $FPCV_{Plancha}$ - $FPCV_{Tierra\ compactada}$ - FPP_{Onil}	 version 1; version 2 version 3 version 1; version 2 version 3 version 1; version 2 version 3 version 1; version 2	CME

		- $FPP_{Patsari}$ - GIRA	version 3 version 1; version 2 version 3 version 1 version 2 version 3	
11.	LPPs	Delivery Acts – samples	-	CME
12.	LPPs	List of workers: - AURA - FPCV - FPP - GIRA	 - - -	CME
13.	CME	Transition Documents: - Transition Review under Gold Standard for the Global Goals - Transition Annex-Microsol Utsil Naj PoA 20180612	 29/06/2018 Sept/2017	Other
14.	-	Gold Standard for Global Goals	https://www.goldstandard.org/tags/gs4gg	Other
15.	-	UNFCCC	http://cdm.unfccc.int	Other

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

Table 1. CLs from this validation (findings numbering is in accordance with Verification report to which this report is attached

CL ID	03	**Section no.**	D.2	**Date :** 15/01/2019
Description of CL				
Not all LPPs were monitored during this MP as informed in the VPA-DD				
Project participant response				**Date :** 17/01/2019
The fall in carbon prices and the subsequent catastrophic market conditions had an impact on the project developers, making their participation difficult in verification activities over the time due to the lack of carbon resources. Nevertheless, the fact that relevant participants such as VAD, ESM, CDT and VDQ are not activated in this verification (MP: 1/01/2015 – 31/08/2018) does not imply their exclusion from the Programme and does not limit the possibility to be reactivated for next verifications. Depending on the negotiation discussions and the current conditions of their ICS, we expect these LPPs participate on the upcoming renewal process, as this way, the beneficiaries (around 90,000[2] Mexican people living in poverty) have the opportunity to keep being included in the following new crediting period, issue new carbon credits and finally benefit from the Programme's goal: fund sustainability activities to ensure the long-term access and use of clean cooking technologies.				
Documentation provided by project participant				
In the folder "Revised Documents" > "MR" - Word File "UN VPA4 - MR - MP2 v4"				
DOE assessment				**Date:** 17/01/2019

2 Around 18,000 ICS are included in this VPA. Average size in the projects is 5 people/family.

A temporary deviation of the monitoring plan is being requested between 01/01/2015 and 31/08/2018 as not all LPPs comprehended in this VPA 4 were monitored during this monitoring period. The LPPs that were not monitored are VAD, ESM, CDT and VDQ and their ERs accounted for this period are equal to zero. For further details, please refer to the Assessment on post registration report **CL is closed**

Table 2. CARs from this validation

CAR ID	xx	**Section no.**		**Date:** DD/MM/YYYY
Description of CAR				
Not applicable				
CME's response				**Date:** DD/MM/YYYY
Documentation provided by CME				
DOE assessment				**Date:** DD/MM/YYYY

Table 3. FARs from this validation

FAR ID	xx	**Section no.**		**Date:** DD/MM/YYYY
Description of FAR				
Not applicable				
CME's response				**Date:** DD/MM/YYYY
Documentation provided by CME				
DOE assessment				**Date:** DD/MM/YYYY

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Document information

Version	*Date*	*Description*
02.0	29 December 2017	Revision to align with the requirements of the “CDM validation and verification standard for programme of activities” (version 01.0).
01.0	5 June 2015	Initial publication.

Decision Class: Regulatory
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