



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

Title and UNFCCC reference number of the component project activity (CPA)	Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 4, Ref No.:9948-P1-0004-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 23, Ref No.:9948-P1-0023-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 24, Ref No.:9948-P1-0024-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 25, Ref No.:9948-P1-0025-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 26, Ref No.:9948-P1-0026-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 27, Ref No.:9948-P1-0027-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 28, Ref No.:9948-P1-0028-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 29, Ref No.:9948-P1-0029-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 30, Ref No.:9948-P1-0030-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 31, Ref No.:9948-P1-0031-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 32, Ref No.:9948-P1-0032-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 33, Ref No.:9948-P1-0033-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 34, Ref No.:9948-P1-0034-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 35, Ref No.:9948-P1-0035-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 36, Ref No.:9948-P1-0036-CP1 Impact Carbon Global Safe Water Programme of Activities (PoA): CPA 37, Ref No.:9948-P1-0037-CP1
Version number of the validation report	3.0
Completion date of the validation report	21/09/2020
Version number of PoA-DD and CPA-DD applicable to this validation report	Version number of PoA-DD: 7.0

	CPA-DD for 9948-P1-0004-CP1, Version: 01.2 CPA-DD for 9948-P1-0023-CP1, Version: 4.0 CPA-DD for 9948-P1-0024-CP1, Version: 4.0 CPA-DD for 9948-P1-0025-CP1, Version: 4.0 CPA-DD for 9948-P1-0026-CP1, Version: 4.0 CPA-DD for 9948-P1-0027-CP1, Version: 4.0 CPA-DD for 9948-P1-0028-CP1, Version: 4.0 CPA-DD for 9948-P1-0029-CP1, Version: 4.0 CPA-DD for 9948-P1-0030-CP1, Version: 4.0 CPA-DD for 9948-P1-0031-CP1, Version: 4.0 CPA-DD for 9948-P1-0032-CP1, Version: 4.0 CPA-DD for 9948-P1-0033-CP1, Version: 4.0 CPA-DD for 9948-P1-0034-CP1, Version: 4.0 CPA-DD for 9948-P1-0035-CP1, Version: 4.0 CPA-DD for 9948-P1-0036-CP1, Version: 4.0 CPA-DD for 9948-P1-0037-CP1, Version: 4.0	
Title and UNFCCC ref. no. of the registered PoA into which the CPA is included	9948: Impact Carbon Global Safe Water Programme of Activities (PoA)	
Type(s) of CPA PRCs	<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	
Coordinating/managing entity (CME)	Impact Carbon	
Host Parties	Host Party of the PoA	Is this the host Party of a CPA covered in this monitoring report? (yes/no)
	Rwanda	No
	Uganda	No
	Nigeria	No
	Kenya	Yes
Applied methodologies and standardized baselines	Methodology: AMS-III.AV. Low greenhouse gas emitting safe drinking water production systems (Version 4.0) Standardized Baseline: Not applicable	
Mandatory sectoral scopes	3: Energy Demand	

Conditional sectoral scopes, if applicable	NA
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	 Dr.Kaviraj Singh Managing Director

SECTION A. Executive summary

The PoA aims at distribution of the low carbon emissions water purification technologies to households, communities and institutions in Rwanda, Nigeria, Kenya and Uganda. Thus, PoA through the dissemination of these technologies aims to address the issue of lack of access to safe drinking water.

In absence of the PoA, boiling water using fossil fuels/non-renewable woody biomass would have been the source of availing safe drinking water. The project Water Purification Systems (WPS) provides safe drinking water without the use of non-renewable biomass/ fossil fuel, thus leading to a reduction in Green-house gas (GHG) emissions.

This validation report for PRC covers implemented CPAs 9948-P1-0004-CP1, 9948-P1-0023-CP1 to 9948-P1-0037-CP1 (16 CPAs) included in the registered PoA-DD.

CPA reference number	Date of inclusion	Version of registered / approved CPA DDs
9948-P1-0004-CP1	02/07/2017	Version 01.2
9948-P1-0023-CP1	18/11/2018	Version 4.0
9948-P1-0024-CP1	18/11/2018	Version 4.0
9948-P1-0025-CP1	18/11/2018	Version 4.0
9948-P1-0026-CP1	18/11/2018	Version 4.0
9948-P1-0027-CP1	18/11/2018	Version 4.0
9948-P1-0028-CP1	18/11/2018	Version 4.0
9948-P1-0029-CP1	18/11/2018	Version 4.0
9948-P1-0030-CP1	18/11/2018	Version 4.0
9948-P1-0031-CP1	18/11/2018	Version 4.0
9948-P1-0032-CP1	18/11/2018	Version 4.0
9948-P1-0033-CP1	18/11/2018	Version 4.0
9948-P1-0034-CP1	18/11/2018	Version 4.0
9948-P1-0035-CP1	18/11/2018	Version 4.0
9948-P1-0036-CP1	18/11/2018	Version 4.0
9948-P1-0037-CP1	18/11/2018	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 CPAs under verification. The scope of validation includes the assessment of the proposed PRCs primarily identified by CME as a temporary deviation from the monitoring plan as well as part of verification assessment. This validation is an independent and objective review of all the post-registration changes proposed in revised CPA DDs 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 2.1 /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 (one or more members). 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 "Impact Carbon Global Safe Water Programme of Activities (PoA)" having UNFCCC Ref. Number 9948. The post registration change was identified during the verification for the 2nd monitoring period - **23/05/2017- 22/05/2019** of the PoA. For the CPAs 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 monitor the monitored parameters as per the sampling plan.

The validation of post-registration changes concluded that the type of changes proposed in the revised MR Version 2.1, dated 30/06/2020 /5/ can be submitted as notification of changes to a CPA to secretariat in-line to para 168 (b) of the PCP for PoA. The temporary deviation applies conservative method and thus, it is being submitted along with issuance request as per Appendix 2 of PS for PoA/2/. The validation confirms that the proposed post-registration change complies with all the relevant CDM requirements of the applied methodology and all other applicable tools and guidance.

This report is the assessment opinion for temporary deviation 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	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	Y	Y
2.	Verifier	IR	Vatsa	Vaishali	Central Office	Y	N	Y	Y
3.	Technical Expert	IR	Mahala	Deepika	Central Office	Y	N	Y	Y
4.	Methodology Expert	IR	Mahala	Deepika	Central Office	Y	N	Y	Y
5.	Local Expert	IR	Njeri	Virginia	Central Office	Y	N	N	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	Gautam	Ashok	Central Office
2.	TA to TR	IR	Gautam	Ashok	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 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 monitor the parameters Water Quality, Operational Units, Existence of public distribution network of safe drinking water for a period of 1 year (i.e., 23/05/2017 to 22/05/2018) during the current monitoring period (**23/05/2017 to 22/05/2019**). Following para 231 of the PS for PoA Version 2 temporary deviation was proposed during the current monitoring period. No separate site-visit was conducted for the scope of validation of PRC. The team conducted a remote audit survey for verification as explained in the verification report /6/ submitted along with request for issuance. Since the temporary deviation was identified during the verification and the scope is not complete validation of the PoA and in accordance with para 184 of the VVS for PoA/4/ it is optional for the DOE to conduct an on-site assessment. A thorough desk review 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.	Brown	Julie	Impact Carbon	01/07/2020 (Over Skype)	Post-registration changes Temporary deviations	Deepika Mahala
2.	Neville	Tim	Impact Water	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri
3.	Turgesen	Mark	Impact Water (Kenya)	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri
4.	Kibagendi	Everline	Impact Water (Kenya)	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri
5.	Lohia	Rohit	Climate Secure India Private Limited	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri
6.	-	Nihar	Climate Secure India Private Limited	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri
7.	Kumar	Ritesh	Climate Secure Services	01/07/2020 (Over Skype)	Post-registration changes	Deepika Mahala, Vaishali Vatsa and Virginia Njeri

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	-	CAR#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)	-	-	-

Total	00	01	00
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SECTION D. Validation findings

D.1. Compliance with CPA-DD form

Means of validation	This PRC proposes only a 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/.
Findings	No findings were raised
Conclusion	Not Applicable

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

Means of validation	<p>As part of the verification of the second monitoring period covering a monitoring period from 23/05/2017 – 22/05/2019, wherein the monitoring report /5/ consists of a total of 16 CPAs¹ (from 9948-P1-0004-CP1, 9948-P1-0023-CP1 to 9948-P1-0037-CP1), the verification team found temporary deviations from the registered monitoring plan.</p> <p>1. Temporary deviation for not following the monitoring plan in line with the registered monitoring plan/7/:</p> <p>The PoA involves distribution of water purification systems of 3 types i.e Ultra Flo, Ultra Tab and Multi Barrier-UV.</p> <p>The registered monitoring plan requires that all surveys (as part of monitoring) to be conducted annually implying that the monitoring results of each such survey/test could only be applied for one year (365 days).</p> <p>However, the CME was not able to monitor the data for calculation of baseline emissions for one year (i.e. 23/05/2017-22/05/2018) during the current monitoring period. The monitoring was required to be done only for CPA 9948-P1-0004-CP1 for the period 23/05/2017-22/05/2018 as the crediting period for CPAs viz., 9948-P1-0023-CP1 to 9948-P1-0037-CP1 started from 18/11/2018 onwards. The CPA 9948-P1-0004-CP1 with its distribution size of 138 systems would have yielded only a small number of ERs /9/ for the period 23/05/2017-22/05/2018. Hence, the CME clarified that associated monitoring costs and other carbon transaction costs would have been significantly higher against the value of ERs that could have been claimed for the period 23/05/2017 – 22/05/2018. Thus, the monitoring was not conducted for this period.</p> <p>Thus, CME sought temporary deviation for this non-conforming monitoring period in line with para 228 of PS for PoA version 2.0/2/.</p> <p>The length of the monitoring period under verification is 2 years from 23/05/2017-22/05/2019 (i.e.730 days).</p> <p>Accordingly, CME has identified the 1-year period (23/05/2017 – 22/05/2018) during the current monitoring period when no monitoring was conducted.</p> <p>Thus, CME in-line to para 228(b) (i) of PS for PoA Version 2.0/2/, applied zero to the baseline emissions for the entire non-conforming monitoring period i.e. 23/05/2017 to 22/05/2018.</p> <p>Conclusion: The CME was not able to monitor the data for the calculation of baseline emissions for a period of 1-year (i.e., 23/05/2017 to 22/05/2018) due to the reasons cited above. However, CME has monitored the data for the calculation of</p>
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¹ CPAs included are getting verified for the first time.

	<p>the baseline emissions for the remaining period of the current MP.</p> <p>Thus, CME has applied the most conservative values possible during the non-conforming monitoring period of 1 year. The alternative approaches have resulted in conservative estimate of greenhouse gas (GHG) emission reductions or net anthropogenic GHG removals as CME considered baseline emissions as 'zero' in-line to para 228(b)(i) of PS for PoA Version 2.0/2/. Thus, the alternative approach was accepted by the validation team. The temporary deviation is sought only for 1 year i.e., from 22/05/2017 to 22/05/2018 during the current monitoring period of 2 years. The end-date of the temporary deviation i.e., 22/05/2018 was one-year before the end date of the monitoring period. The end-date was found to be acceptable as the monitoring conducted in Sept-Oct 2019 would only represent the annual monitoring period and can be applied to a period of one year. Therefore, for the monitoring conducted during 30/09/2019-23/10/2019, is being applied to the closest period of one year in the current MP is 23/05/2018 to 22/05/2019. Thus, the temporary deviation has been sought for the period before this period.</p> <p>The CME would continue to monitor all the data required for calculation of baseline emissions as per the registered monitoring plan in future</p> <p>Since the applied values were found to be the most conservative values and temporary deviation has been proposed for the current monitoring period for the CPAs, thus in-line with Appendix 2 of PS for PoA/2/, this request is being submitted with issuance track.</p>
Findings	CAR#01 was raised and resolved.
Conclusion	<p>The DOE confirms that.</p> <ul style="list-style-type: none"> • The deviation applies for the monitoring period from 23/05/2017 to 22/05/2018 (as per para 251 of CDM VVS PoA Version 2 /4/). • There will be no over-estimation of emission reductions due to deviation as the assumptions and formulae are applied conservatively. • 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/.

D.3. Corrections

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

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 methodological regulatory documents

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	Not Applicable

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 activities

Means of validation	Not Applicable
Findings	Not Applicable
Conclusion	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/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 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 16 CPAs (9948-P1-0004-CP1, 9948-P1-0023-CP1 to 9948-P1-0037-CP1) project activity included under the PoA titled "Impact Carbon Global Safe Water Programme of Activities (PoA)". Earthood is accredited for the validation function for specific sectoral scopes (3: Energy demand) the CDM programme of activity falls into it.

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 does not raise any concern with regards to the applicability of established baseline, additionality or scale of the project activity. The changes are only applicable to the current monitoring period and do not have any impact on the registered CPA-DDs.

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

Appendix 1. 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 ₄	Methane
CL	Clarification Request
CME	Coordinating and Managing Entity
CO ₂	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
L/min	Litres per minute
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 ₂ 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 ₂ 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
WPS	Water Purification Systems

Appendix 2. Competence of team members and technical reviewers

Competence Statement			
Name	Deepika Mahala		
Country	India		
Education	M. Sc. (Environmental Management), GGSIP University B.Sc. Hons. (Chemistry), Sri Venkateshwar College, DU		
Experience	3 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	YES		
TA Expert	YES (TA 1.2 & TA 3.1)		
Reviewed by	Shreya Garg	Date	14/09/2018
Approved by	Anshika Gupta	Date	14/09/2018

Competence Statement			
Name	Vaishali Vatsa		
Education	M.Sc. (Environmental Studies and Resource Management), TERI University		
Experience	4 months		
Field	Climate Change		
Approved Roles			
Team Leader	NO		
Validator	Yes		
Verifier	Yes		
Methodology Expert	NO		
Local expert	NO		
Financial Expert	NO		
Technical Reviewer	NO		
TA Expert (X.X)	NO		
Trainee	NO		
Reviewed by	Shreya Garg	Date	30/12/2019
Approved by	Anshika Gupta	Date	02/01/2020

Competence Statement			
Name	Virginia Njeri		
Country	Kenya		
Education	Diploma (Business Management)		
Experience	7 Years		
Field	Administration		
Approved Roles			
Team Leader	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

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, AM0034, AMS.I.B, ACM0003		
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	Shreya Garg	Date	23/10/2019
Approved by	Anshika Gupta	Date	23/10/2019

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	Impact Carbon	Revised and Approved PoA-DD	Version 7.0	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	Impact Carbon	Monitoring Report	Version 2.1	CME
6	ESPL	Verification Report (2 nd Monitoring Period-MR Number 6)	Version 3.0 Dated:21/09/2020	Others
7	Impact Carbon	Registered CPA-DD-04 Registered CPA-DD-23 Registered CPA-DD-24 Registered CPA-DD-25 Registered CPA-DD-26 Registered CPA-DD-27 Registered CPA-DD-28 Registered CPA-DD-29 Registered CPA-DD-30 Registered CPA-DD-31 Registered CPA-DD-32 Registered CPA-DD-33 Registered CPA-DD-34 Registered CPA-DD-35 Registered CPA-DD-36 Registered CPA-DD-37	Version 1.2, Dated: 08/05/2017 (CPA DD 04) Version 4, Dated: 13/11/2018 (CPA DD 23 to CPA DD 37)	Other
8	UNFCCC	Applied Methodology: AMS-III.AV. Low greenhouse gas emitting safe drinking water production systems	Version 4.0	Others
9	Impact Carbon	Emission Reduction Sheet	Version 2.1	CME

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

Table 1. CLs from this validation

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

Table 2. CARs from this validation

CAR ID	01	Section no.	D.2.	Date: 13/05/2020
Description of CAR				

Section C.1, as per foot note 13 it has been stated that the ERs for the first year of the current monitoring period (from 23/05/2017 to 22/05/2018) are not being claimed. In absence of the reason no categorization of BE, PE, LE for this period, it is not clear as to why it was not proposed through post-registration changes e.g., temporary deviations in case monitoring was not done and how the project emissions for multiple barrier UV were accounted for the same duration. In the absence of PRC, it is not clear as how the discounting of ERs is in line to the registered monitoring plan.

CME's response**Date:** 01/07/2020

No CERs are being claimed for the period 23/05/2017 to 22/05/2018 in absence of monitoring data for that period. The CME has considered the baseline emissions as zero in line with para 228(b)(i) of PS for PoA version 2.0, for the period (23 May 2017 – 22 May 2018). This has been duly specified in the revised monitoring report in section C.3.1. The project emissions are accountable only in case of Multi barrier UV. Please refer the revised "ERs Summary" cell E19, where it has been calculated for the entire two-year monitoring period in line with registered PoA/CPA-DDs. The revised ER Sheet and MR are being submitted.

Documentation provided by CME

ER sheet and MR

DOE assessment**Date:** 02/07/2020

1. CME has now proposed the temporary deviation in the monitoring plan for the duration (23 May 2017 – 22 May 2018) of 1 year during the current monitoring period for not being able to temporarily follow the monitoring plan for that period. The CME has followed para 228(b)(i) of PS for PoA, Version 2.0 and considered baseline emissions for the mentioned period of the MP as zero and the same has been added under section C.3.1. of the monitoring report (Version 2.1). The deviation was found to be in line with the PS for PoA and has been assessed in detail in the PRC validation opinion.

The project emissions are to be considered only in the case of Multi barrier UV filters. The CME has calculated project emissions for entire monitoring period under verification i.e. 2 years in-line to the registered PoA-DD and CPA-DD and has added the revised value to the ER sheet (Version 2.1) and MR (Version 2.1). (Closed). The calculation was found to be conservative and has been discussed in detail in the PRC validation opinion.

Thus, CAR#01 stands closed

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Document information

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