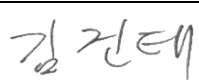




**Validation report form for post-registration changes for
CDM programme of activities
(Version 03.0)**

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)	Programme of Activities for Small Scale Hydropower CDM in Sri Lanka (9705)
Process track	<input type="checkbox"/> Prior approval <input type="checkbox"/> Issuance <input checked="" type="checkbox"/> Renewal of PoA period
Version number of the validation report	2.0
Completion date of the validation report	08/11/2019
Version number of PoA-DD applicable to this validation report	5.0
Type(s) of PoA PRCs	<input checked="" type="checkbox"/> Corrections <input type="checkbox"/> Inclusion of monitoring plan <input type="checkbox"/> Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents ¹ <input type="checkbox"/> Changes to the programme design <input type="checkbox"/> Addition of CPA inclusion template <input type="checkbox"/> Change of coordinating/managing entity <input type="checkbox"/> Changes specific to afforestation and reforestation activities
Coordinating/managing entity (CME)	Sri Lanka Climate Fund (Private) Limited
Host Parties	Sri Lanka
Applied methodologies and standardized baselines	AMS-I.D Grid connected renewable electricity generation (Version 18.0)
Mandatory sectoral scopes	Sectoral Scope : 1 – Energy industries (renewable / non-renewable sources)
Conditional sectoral scopes, if applicable	-
Name and UNFCCC reference number of the DOE	Korea Testing & Research Institute (KTR) / E-0056
Name, position and signature of the approver of the validation report	Jintae KIM, Director 

¹ Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

SECTION A. Executive summary

KTR has performed the validation of renewal of PoA period of the aforementioned CDM PoA “Programme of Activities for Small Scale Hydropower CDM in Sri Lanka”. The validation is based on the currently valid documentation of the United Nations Framework Convention on Climate Change (UNFCCC).

The validation process includes three phases:

- Desk review of documents;
- Follow-up interviews with the relevant personnel;
- Resolution of outstanding issues and the issuance of final inclusion report and opinion.

The PoA is a voluntary initiative by Sri Lanka Climate Fund (Private) Limited to promote small scale hydropower generation geographically located in Sri Lanka through Clean Development Mechanism and to reduce GHG emissions.

The PoA is geographically located in Sri Lanka. The generated electricity will be supplied to the national grid owned by Ceylon Electricity Board (Hereafter called CEB), the national utility.

In renewal of PoA period, the emission factor has been calculated based on the

‘Tool to calculate the emission factor for an electricity system version 07.0’, Statistical Digest 2013~2017 issued by CEB, ‘Sri Lanka Energy Balance 2017’ issued by Sri Lanka Sustainable Energy Authority following the requirement of the applied methodology AMS I-D Version. 18.

The first PoA period (7years) started on 06/08/2013. Second PoA period will be started from 06/08/2020. 1 Corrective Action Request (CAR) was raised during the course of validation process of renewal of PoA period and has been successfully closed.

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	JUNG	Kyuhong	KTR	X	X	X	X
2.	Validator	IR	LEE	Jeongil	KTR	X	X	X	X

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	IR	LEE	Bongjae	KTR
2	Approver	IR	KIM	Jintae	KTR

SECTION C. Means of validation**C.1. Document review**

The information presented in the PoA-DD on the technical design has been assessed for accuracy and completeness using standard auditing techniques including: (a) Document review including x A review of data and information; x Cross checks between information provided in the PoA-DD and information from sources other than those used, the DOE's sectoral or local expertise. If necessary, independent background investigations were performed. (b) Follow-up actions including: x Interviews with relevant stakeholders in the host country, personnel with knowledge of the project design and implementation; x Cross checks between information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted. (c) Reference to available information relating to projects or technologies similar to the PoA under validation.

In opinion of the validation team, PoA description, as included in the PoA-DD, is accurate and complete; and it provides a correct understanding of the PoA. A complete list of all documents reviewed is attached as Appendix 3 to this report.

C.2. On-site inspection

Duration of on-site inspection: 05/09/2019 to 05/09/2019				
No.	Activity performed on-site	Site location	Date	Team member
1.	Office visit to validate the project description, baseline, equipment, implementation and monitoring. Monitoring plan updates, Document review and check of all supporting documentation, ER calculations and PoA-DD review.	Sri Lanka Climate Fund (Private) Limited	05/09/2019	Kyuhong JUNG Jeongil LEE
2	Validity of the original baseline impact of new relevant national and/or sectoral policies/ circumstances on the baseline, correctness of the application of the approved methodologies and EF values assessment	Sri Lanka Sustainable Energy Authority	05/09/2019	Kyuhong JUNG Jeongil LEE

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Mahesh	Chamara Ariyathilaka	Sri Lanka Climate Fund (Pvt)Ltd.	05/09/2019	1. Validity of the original baseline impact of new relevant national and/or sectoral policies and circumstances on the baseline, correctness of	Kyuhong JUNG Jeongil LEE
2.	Hong	Myungock	Koho T&C (Pvt)Ltd.			
3.	Park	Beomwoong	Korea Environment Corporation			
4.	Jung	Miran	Korea			

			Environment Corporation		the application of the approved methodologies - EF values assessment	
5.	Kim	Hyoungchan	KPMG Korea		2. Monitoring plan updates, Document review and check of all supporting documentation, procedures of ER calculations and PoA-DD review	
6.	Lee	Ah Ryung	KPMG Korea		3. relevant national and/or sectoral policies and circumstances on the baseline, correctness of the application of the approved methodologies - Validity of the original baseline	
7.	Nimashi	Fernando	Sri Lanka Sustainable Energy Authority	05/09/2019	1. Regional/National government policies/sectoral policies/tariff related to Nonconventional Renewable Energy (NCRE) projects 2. Emission Factor calculation process assessment	Kyuhong JUNG Jeongil LEE

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	0	0	0
Corrections	0	1	0
Inclusion of monitoring plan	0	0	0
Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents	0	0	0
Changes to the programme design	0	0	0
Addition of CPA inclusion template	0	0	0
Change of coordinating/managing entity	0	0	0
Changes specific to afforestation and reforestation activities	0	0	0

Others (please specify)	0	0	0
Total	0	1	0

SECTION D. Validation findings

D.1. Compliance with the PoA-DD form

Means of validation	The validation team has checked the final PoA-DD form provided by the CME against the latest version of the PoA-DD form in order to determine, whether the PoA-DD form is in compliance with it and confirms the following: a) The CME is mentioned in the relevant sections of the PoA-DD in accordance with the relevant requirements in PS for PoA version 02.0. b) The most recent version of the PoA-DD form is used.
Findings	There are no CARs/CLs raised in this section.
Conclusion	The PoA-DD is compliant with relevant form and guidance as provided by UNFCCC according to the requirement of the PoA. Hence the validation team confirmed that the CME used a later valid version of the PoA-DD form version 09.0 for the updated PoA-DD than the version of the form of the registered PoA-DD. The information transferred to the revised POA-DD is materially the same as that in the registered POA-DD.

D.2. Corrections

Means of validation	<p>During the desk review and interview with the representative of CME & PPs, Appendix 7 of the PoA-DD does not depict the corrections as follows:</p> <ol style="list-style-type: none"> Both name and address of CME have been changed. Address of the PP, Koho Trading and Consultancy (Private) Limited has been changed. <p>Therefore, the CAR 01 has been raised.</p> <ol style="list-style-type: none"> For CME name/address changes, the validation team checked the certificate of incorporation (No. of company: PV 63781) issued by Democratic Socialist Republic of Sri Lanka and found that Sri Lanka Carbon Fund (Private) Limited has changed its name to Sri Lanka Climate Fund (Private) Limited in accordance with the provisions of the section 8 of the Companies Act, No. 7 of 2007 dated on 29/01/2016. The validation team has also checked the notice of company's change of registered office address issued on 03/10/2017 and found that it is true to change the address to NO 82. "Sampathpaya" Rajamalwaththa Road, Battaramulla, Sri Lanka. For Koho trading and consultancy (Private) Limited (as a project participant) address change, the validation team has checked the notice of company's change of registered office address issued on 03/10/2017 and found that it is true to change the address to No. 416/2-1, Thimbrigasyaya Road, Colombo 5, Sri Lanka. <p>The validation team crosschecked the identities with business licenses of the PPs and CME, and the LoA re-issued by DNA of Sri Lanka dated 30/04/2019, and the MOC signed by CME and PPs signed on 04/09/2019, revised PoA-DD version 5.0 and the onsite interviews, and confirmed the information was consistent. And the validation team is able to conclude the changes of name and/or address for corporate CME and/or PP are accurate and correct. Thus, the CAR 01 was closed.</p>
Findings	There are one CAR raised and closed successfully.
Conclusion	<p>In accordance with Appendix 2/ the PS-PoA version 02.0, the correction may include typographical error, location, names and numbers of components, etc. The CME & PP name and/ or address had been changed during 1st PoA period. However, the legal status and organization structure still remain as well as the same company registration number.</p> <p>The validation team confirmed that the PoA meets all relevant UNFCCC requirements for the CDM PoA and the relevant host country criteria after correction in accordance with para.229/PS-PoA version 02.0</p>

D.3. Inclusion of monitoring plan

Means of validation	N/A
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Findings	N/A
Conclusion	N/A

D.4. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from applied methodologies, standardized baselines, or other methodological regulatory documents

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.5. Changes to the programme design

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.6. Addition of CPA inclusion template

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.7. Change of coordinating/managing entity

Means of validation	N/A
Findings	N/A
Conclusion	N/A

D.8. Changes specific to afforestation and reforestation activities

Means of validation	N/A
Findings	N/A
Conclusion	N/A

SECTION E. Internal quality control

Internal quality control within the team is assured by means of a technical review process that takes place after the on-site assessment and after closure of findings. The internal quality control in the verification process is given by the final decision made by the Certification Body

SECTION F. Validation opinion

KTR has performed a validation for renewal of the PoA period of the aforementioned existing Programme of Activities. Standard auditing techniques have been used for the validation process. The validation has been performed following the requirements of the latest version of the CDM VVS for PoA version 2.0. The review of the PoA-DD, subsequent follow-up interviews, and further verification and validation of references have provided validation team with sufficient evidence to confirm the changes of name and/or address for CME&PP.

The finding raised during this validation has been closed satisfactorily.


In our opinion, the PoA meets all relevant UNFCCC requirements for the CDM PoA and the relevant host country criteria. The KTR hereby requests the approval of Post-registration changes at renewal of PoA period.

Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved small scale methodologies
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CEB	Ceylon Electricity Board
CER	Certified Emission Reductions
CL	Clarification Request
CME	coordinating/managing entity
CPA	component project activity
DD	Design Document
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
EF	Emission factor
FAR	Forward Action Request
GHG	Green House Gas(es)
KP	Kyoto Protocol
KTR	Korea Testing & Research Institute
LoA	Letter of approval
MoC	Modalities of Communication MoU Memorandum of Understanding
PoA	Programme of Activities
PP	Project Participant
PS for PoA	Project Standard for Programme of Activities
SLSEA	Sri Lanka Sustainable Energy Authority
UNFCCC	United Nations Framework Convention on Climate Change
VVS for PoA	Validation and Verification Standard for Programme of Activities

Appendix 2. Competence of team members and technical reviewers

Certificate for Achievement



한국화학융합시험연구원

K O R E A T E S T I N G & R E S E A R C H I N S T I T U T E

Certificate of Authorization

Name : JUNG, Kyuhong

Date of Birth : February 1st, 1977

Certificate Number : 2019CDM - 001


We, hereby certify that above mentioned person is qualified for the technical areas specified below in compliance with Appendix 2 of CDM Accreditation Standard Ver 7.0 and CDM quality procedure (CDM-QP-07).

Scope of Authorization :

CODE	TECHNICAL AREA	STATUS
1.1	Thermal energy generation	Lead Validator/Verifier
1.2	Renewables	Lead Validator/Verifier
4.1	Cement and lime production	Lead Validator/Verifier
13.1	Solid waste and waste water	Lead Validator/Verifier


Valid until : July 5th, 2022

July 5th, 2019



한국화학융합시험연구원장

Korea Testing and Research Institute



KTR

한국화학융합시험연구원

K O R E A T E S T I N G & R E S E A R C H I N S T I T U T E

Certificate of Authorization

Name : LEE, Jeongil
Date of Birth : February 14th, 1972
Certificate Number : 2019CDM - 003

We, hereby certify that above mentioned person is qualified for the technical areas specified below in compliance with Appendix 2 of CDM Accreditation Standard Ver 7.0 and CDM quality procedure (CDM-QP-07).

Scope of Authorization :

CODE	TECHNICAL AREA	STATUS
1.2	Renewables	Full-time Validator/Verifier
13.1	Solid waste and waste water	Full-time Validator/Verifier
13.2	Manure	Full-time Validator/Verifier

Valid until : July 5th, 2022**July 5th, 2019**

한국화학융합시험연구원장
 Korea Testing and Research Institute



KTR

한국화학융합시험연구원

K O R E A T E S T I N G & R E S E A R C H I N S T I T U T E

Certificate of Authorization

Name : LEE, Bongjae
 Date of Birth : August 6th, 1978
 Certificate Number : 2019CDM - 002

We, hereby certify that above mentioned person is qualified for the technical areas specified below in compliance with Appendix 2 of CDM Accreditation Standard Ver 7.0 and CDM quality procedure (CDM-QP-07).

Scope of Authorization :

CODE	TECHNICAL AREA	STATUS
1.1	Thermal energy generation	Lead Validator/Verifier
1.2	Renewables	Lead Validator/Verifier
3.1	Energy demand	Lead Validator/Verifier
4.1	Cement and lime production	Lead Validator/Verifier
13.1	Solid waste and waste water	Lead Validator/Verifier

Valid until : July 5th, 2022

July 5th, 2019



한국화학융합시험연구원장
 Korea Testing and Research Institute



Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	UNFCCC	Methodology AMS-I.D. "Grid connected renewable electricity generation	EB 81, Annex 24 Version 18.0	UNFCCC
2	UNFCCC	TOOL07: Tool to calculate the emissions factor for an electricity system ver.07.0.0	EB 100, Annex 4	UNFCCC
3	UNFCCC	Programme of activities design document form	Version 09.0 31/05/ 2019	UNFCCC
4	Sri Lanka Climate Fund (Pvt.) Ltd.	Initially updated POA-DD version 04.0 Revised POA-DD version 05.0	- -	CME
5	Sri Lanka Climate Fund (Pvt.) Ltd.	EF Calculation sheet version 04.0 EF Calculation sheet version 05.0	- -	CME
6	UNFCCC	CDM project standard for programmes of activities	CDM-EB93-A08-STAN Version 02.0	UNFCCC
7	UNFCCC	CDM validation and verification standard for project activities	CDM-EB93-A05-STAN Version 02.0	UNFCCC
8	Sri Lanka Climate Fund (Pvt.) Ltd.	MOU (Memorandum of Understanding)	13/09/2012	CME
9	Sri Lanka Climate Fund (Pvt.) Ltd	Signed Modalities of Communication Statement(MOC)	04/09/2019	CME
10	Sri Lanka Climate Fund (Pvt.) Ltd	Certificate of incorporation for CME	PV 63781	CME
11	Sri Lanka Climate Fund (Pvt.) Ltd	Notice of company's change of registered office address for CME	PV 63781	CME
12	Koho trading and consultancy (private) Limited	Notice of company's change of registered office address for PP,	PV 10632	PP
13	Ministry of Mahaweli Development and Environment	Revised LoA	30/04/2019	CME

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

Table 1. CLs from this validation

CL ID	-	Section no.	-	Date: -
Description of CL				
N/A				
Project participant response				Date: -
N/A				
Documentation provided by project participant				
N/A				
DOE assessment				Date: -
N/A				

Table 2. CARs from this validation

CAR ID	CAR 01	Section no.	D.2	Date: 05/09/2019
Description of CAR				
During the desk review and interview with the representative of CME & PPs, Appendix 7 of the PoA-DD does not depict the corrections as follows:				
2. Both name and address of CME have been changed.				
3. Address of the PP, Koho Trading and Consultancy (Private) Limited has been changed.				
Project participant response				Date: 30/10/2019
The CME has included the information of change in the revised PoA-DD.				
Documentation provided by project participant				
<ul style="list-style-type: none"> - Certificate of incorporation for CME - Notice of company's name/address change of registered office for CME - Notice of company's address change of registered office for PP, Koho trading and consultancy (private) Limited. - Revised LoA - Signed MOC - Revised PoA-DD version 05. 				
DOE assessment				Date: 02/11/2019
<p>1. For CME name/address changes, The validation team checked the certificate of incorporation(No. of company: PV 63781) issued by Democratic Socialist Republic of Sri Lanka and found that Sri Lanka Carbon Fund (Private) Limited has changed its name to Sri Lanka Climate Fund (Private) Limited in accordance with the provisions of the section 8 of the Companies Act, No. 7 of 2007 dated on 29/01/2016. The validation team has also checked the notice of company's change of registered office address issued on 03/10/2017 and found that it is true to change the address to NO 82. "Sampathpaya" Rajamalwaththa Road, Battaramulla, Sri Lanka.</p> <p>2. For Koho trading and consultancy (Private) Limited (project participant) address change, the validation team has checked the notice of company's change of registered office address issued on 03/10/2017 and found that it is true to change the address to No. 416/2-1, Thimbrigasyaya Road, Colombo 5, Sri Lanka.</p> <p>The validation team crosschecked the identities with business licenses of the PPs and CME, the LoA re-issued by DNA of Sri Lanka dated 30/04/2019, the MOC signed by CME and PPs signed on 04/09/2019 , revised PoA-DD version 5.0, the onsite interviews, and confirmed the information was consistent. For CME, the legal status and organization structure still remains because the business license number is same with the previous certificate of incorporation for CME.</p> <p>The validation team is able to conclude the changes of name and/or address for corporate CME and/or PP are accurate and correct.</p> <p>Thus, the CAR 01 was closed.</p>				

Table 3. FARs from this validation

FAR ID	-	Section no.	-	Date: -
Description of FAR				
N/A				
CME's response				Date: -
N/A				
Documentation provided by CME				
N/A				