

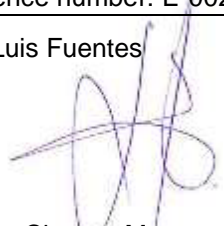


**Validation report form for post-registration changes for
CDM project activities
(Version 02.0)**

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

BASIC INFORMATION

Title and UNFCCC reference number of the project activity	0775: West Nile Electrification Project (WNEP)
Process track	<input checked="" type="checkbox"/> Prior approval <input type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report on PRCs	3
Completion date of the validation report on PRCs	12/08/2019
Type(s) of PRCs	<input checked="" type="checkbox"/> Temporary deviations from the registered monitoring plan, applied methodologies or applied standardized baselines <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a 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 project activities
Version number of PDD to which this report applies	8
Project participants	<ul style="list-style-type: none"> • West Nile Rural Electrification Company Limited (WENRECo) • Government of Sweden - Swedish Energy Agency • GDF Suez • Chubu Electric Power Co., Inc. • Japan International Cooperation Agency (JICA) • Kyushu Electric Power Co., Inc. • Mitsubishi Corporation • Tohoku Electric Power Co. Inc. • The Tokyo Electric Power Co., Inc. • The Chugoku Electric Power Co., Inc. • Mitsui & Co. Ltd.

	<ul style="list-style-type: none"> • Electrabel S. A. • Netherlands' Ministry of Infrastructure and the Environment (IenM) • Netherlands' Ministry of Economic Affairs, Agriculture and Innovation (EL&I) • Government of Norway - Ministry of Foreign Affairs • Norsk Hydro ASA • Equinor ASA • BP Alternative Energy International Ltd. • Deutsche Bank AG • Fortum Corporation • Government of Finland - Ministry of Foreign Affairs • RWE Power AG • International Bank for Reconstruction and Development (IBRD) as Trustee of the Prototype Carbon Fund (PCF)
Host Party	Uganda
Applied methodologies and standardized baselines	AMS I.A – Electricity generation by the user, Version 16.0
Mandatory sectoral scopes linked to the applied methodology	1. Energy industries (renewable/non-renewable)
Conditional sectoral scopes linked to the applied methodologies	N/A
Name and UNFCCC reference number of the DOE	AENOR INTERNACIONAL S.A.U Reference number: E-0021
Name, position and signature of the approver of the validation report on PRCs	José Luis Fuentes  Climate Change Manager

SECTION A. Executive summary

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The hydroelectric plant with an installed capacity of 3.5 MW (2 units of 1.75 MW) using the waters of the Nyagak River is located close to the Paidha village at coordinates +2.429053, +30.975695. The hydroelectric plant includes a diversion weir and a run of river reservoir with live storage volume of 150,600 m³ equivalent to 7.5 hours of storage, leading to a penstock and a powerhouse with transformers and switchgear. The estimated net power output of 20.65 GWh per year will be fed to the existing grid through a 33 kW over-head line. The hydroelectric station has been operational since September 2012. Four electricity meters have been installed on-site, one after the generators (M1) to measure gross generation, one at the site to measure the auxiliary consumption (M2) and two additional meters (M3 and M4) to measure the net electricity exported to the mini-grid.

The purpose of the project activity is the displacement of the electricity generated from fossil fuel-fired generators and engines.

AENOR INTERNACIONAL S.A.U (AENOR) has performed the validation of the Post Registration Changes of the project "West Nile Electrification Project (WNEP)" (Registration Ref.: 0775).

Some permanent changes and a temporary deviation from the registered monitoring plan have been proposed by the PPs to the audit team.

Accordingly, the scope of the present validation report is to address these post registration changes and assess their validity.

AENOR validated that proposed changes comply with the relevant requirements of the CDM PS version 02.0, i.e., that in accordance with paragraphs 228 and 229 the project participant has identified and documented any actual or proposed changes to the operation, implementation or monitoring of the registered CDM project activity.

The project participant has prepared a revised PDD (in both track-change and clean versions) that reflects the actual or proposed changes, using the valid version of the applicable PDD form. The project participant has provided a summary of the changes, including the reasons for the changes and any additional information relating to the changes to the PDD.

Furthermore, AENOR, as it is demonstrated below has validated through evidence provided and cross-checks with registered information that the PPs have correctly revised the PDD to reflect the proposed changes and they are in compliance with the requirements in the CDM PS, applicable methodology and associated tools and guidelines.

According to the paragraph 247 of the PS, the project participant has selected the option a), i.e., the PRC is carried out under the prior-approval track.

SECTION B. Validation team, technical reviewer and approver

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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			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader	IR	Arribas Alonso	Luis Javier	AENOR	X	N/A	X	X
2.	Validator	IR	Pellitero Martínez	Marcelino	AENOR	X			X
..	Technical Expert		NA						

B.2. Technical reviewer and approver of the validation report on 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	Llorente Pérez	Elena	AENOR
2.	Approver	IR	Fuentes Pérez	José Luis	AENOR

SECTION C. Means of validation**C.1. Desk/document review**

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The scope of the desk review process is to assess all changes from the project activity as described in the revised project design document, including the impact on the estimates of the emissions reductions, the level of accuracy of the monitoring activity, the additionality and scale of the project and the applicability and application of approved methodologies.

The following documents were reviewed as part of the scope of the activity:

- Registered PDD
- Revised PDD version 07.0 dated on 02/05/2019
- The applicable methodology: AMS I.A – Electricity generation by the user, Version 16.0
- CDM Validation and Verification Standard for project activities, version 02.0
- Clean Development Mechanism Project Cycle Procedure for project activities, version 02.0
- Clean Development Mechanism Project Standard for project activities, version 02.0
- Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board.

C.2. On-site inspection

Duration of on-site inspection: 19/06/2019				
No.	Activity performed on-site	Site location	Date	Team member
1.	On site visit to West Nile Power Plant - Review of operating and measurement records. - Generation data verification - Estimates and assumptions for determining GHG data - Controls established to detect and correct any error or omission in monitoring parameters - Testing of monitoring equipment and observation of monitoring practices - Calibration of official meters - Running of specific checks and trials on data sources and data management practices where risks are detected. - Sufficiency of monitoring plan - Reliability of internal and external data - Internal data quality control - Clarifications related to monitoring procedures	WEST NILE HYDROPOWER PLANT	2019-06-19	LUIS JAVIER ARRIBAS

Although for the present PRC, AENOR did not think to carry out an onsite visit, finally it was made as part of the verification process of the monitoring period from 01/01/2015 to 31/12/2017 and it was used to confirm the information recollected by the audit team used other means of validation prior to the onsite visit.

For all changes, AENOR carried out documents review including cross-checking of information and calculations when applicable as well as cross checks between the information provided in the registered PDD and information from other sources provided by the PPs and World Bank.

Likewise, AENOR held telephone calls and e-mail interviews with personnel from the World Bank with knowledge of the project design and technicians of the project.

C.3. Interviews

N o.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Khalid	Adnan	Ips Kenya	9/10/2018	Cross checks between information included in the registered PDD and evidence provided	LJA/MPM
2.	Tuhaise	rose	WENRECo	–		
3.	Bowden	Nick	Worldbank	3/05/2019		
4.	Bustamante	Alejandra	Worldbank			
5.	Chang	Xiaoyu	Worldbank			
6.	Radack	Dan	Worldbank			
7.	Khalid	Adnan	Ips Kenya	19/06/2019	Review the main equipment installed in the project activity	LJA
8.	Tuhaise	rose	WENRECo	19/06/2019		
9.	Dharan	Baranee	Consultant	Several dates by email	Cross checks between information included in the registered PDD and evidence provided	LJA

C.4. Sampling approach

Appendix 3 states the main documents checked during the validation of the PRC.

AENOR paid close attention to the review of the revised PDD compared with the registered PDD, the applicable approved methodology, associated tools and guidelines.

AENOR reproduced the calculations in affected formulas using the approaches from the CDM guidelines. Values in section B.6.4 of the revised PDD were validated considering the assumptions in the revised PDD. AENOR checked the evidence provided by the PPs and World Bank related to the proposed changes.

During the desk review, AENOR cross checked all parameters in sections B.6.2 and B.7.1 of the revised PDD with the registered PDD and found the information complete and consistent with requested changes and CDM requirements.

C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD 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 a 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	---	---	---
Changes to the project design	---	---	---
Changes specific to afforestation and reforestation project activities	---	---	---
Others (please specify)	---	---	---
Total	---	---	---

SECTION D. Validation findings**D.1. Compliance with PDD form**

Means of validation	During the desk review process, AENOR checked the compliance of the revised PDD (both in tracked-changes and clean version) with the valid version of the applicable PDD form and the Instructions for filling out the PDD form. The project participant has used the latest version of the PDD form for the revised PDD according to the new regulatory documents. All sections, titles, tables have been revised and crosschecked against the Instructions for filling out the PDD and they were correct.
Findings	No findings.
Conclusion	The validation team confirms that the proposed post-registration changes as included in the revised PDD /2/ were presented by using a valid version of CDM-PDD-FORM /13/ and were found in compliance with the template and instructions contained therein. Once the registered PDD and the revised PDD were compared, it is AENOR opinion that the information included in the new form is materially the same as the information in the registered PDD. The changes that are the subject of the request for approval have been highlighted. The PPs have provided a summary of changes, including reasons for the changes and additional information if applicable.

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

Means of validation	<p>The audit team checked the reason of temporary deviation from the registered monitoring plan and proposed alternative monitoring arrangement for the temporary deviation period to confirm its reliability and conservativeness through review of relevant documents and interviews with the PP.</p> <p><u>The reason for this temporary deviation</u> According to the registered PDD, the auxiliary electricity consumption of the project activity is monitored continuously with an electricity meter installed after the generators of the plant and before the delivery point, as it is showed in the following figure:</p> <pre> graph LR G1((G1)) --- J1(()) G2((G2)) --- J1 J1 --- M1[M1] M1 --- J2(()) J2 --- M2[M2] M2 --- AC[Auxiliary consumption] J2 --- M3[M3] M3 --- M4[M4] M4 --- MG1[To mini-grid] M3 --- MG2[To mini-grid] </pre> <p> G1 & G2 - Generator M1 - Gross generation meter M3&M4 - Main meter M2 - Auxiliary consumption meter </p> <p>However, the auxiliary energy meter broke down on 24 September 2015 /8/ and the project participant was not able to replace it with new one until 08 March 2018 and it completed installation testing on 04 April 2018 /10/. Therefore, from 24 September 2015 to 04 April 2018, the auxiliary energy consumption of the plant was not directly monitored by an energy meter /9/11/12/. Therefore, it is decided to proceed a temporary deviation for the 'auxiliary electricity consumption' during the period that it was not directly monitored by an energy meter.</p>
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	<p><u>The applied period for the temporary deviation</u> The auxiliary energy consumption of the plant was not directly monitored by an energy meter from 24 September 2015 to 04 April 2018.</p> <p><u>The proposed alternative monitoring arrangement</u> Therefore, the parameter EC_{AUX} is calculated as the difference between the gross generation (measurements obtained with meter M1) and the net electricity output (measurements obtained with meters M3 and M4). Due to the permanent changes to the registered monitoring plan proposed in section D.6. of this report, the QA/QC procedure applied to assess the accuracy of the calculated values is the crosschecking against the average daily auxiliary power consumption of the plant based on available M2 metering reading data (prior to the period for the temporary deviation and after it). The proposed conservative approach is used for auxiliary consumption estimation the maximum value of both values as it is showed below:</p> $EC_{AUX} = \text{Maximum of } \left(\begin{array}{l} M1 - (M3 + \\ M4) \text{ during 24} \\ \text{Sep 2015 to 04} \\ \text{Apr 2018} \end{array} \right) \text{ OR } \left(\begin{array}{l} \text{Average daily auxiliary} \\ \text{power consumption of the} \\ \text{plant based on available} \\ \text{M2 metering reading data} \end{array} \right)$ <p>For analysis of the average daily auxiliary power consumption metered for plant, the data from January 2015 to August 2015 (before meter break down) and the data from April to December 2018 (after new meter installation) were taken for analysis. From the above analysis, the higher plant consumption is recorded in 2018 year. So, the same (202 kWh per day) is considered for the cross checking purpose for period of temporary deviation. Therefore, $EC_{AUX} = \text{Maximum of } \left(\begin{array}{l} M1 - (M3 + M4) \\ \text{during 24 Sep 2015} \\ \text{to 04 Apr 2018} \end{array} \right) ; \left(\begin{array}{l} 202 \text{ kWh per day} \end{array} \right)$</p>
Findings	No findings.
Conclusion	<p>The validation team confirms the alternative monitoring arrangement for temporary deviation from the monitoring plan is appropriate under existing situation, and the emission reductions will not be over-estimated compared to actual emission reductions as a result of the deviation. It is also confirmed that the deviation complies with the relevant requirements related to the temporary deviation from the registered monitoring plan and applied methodologies as well as the PS.</p>

D.3. Corrections

Means of validation	The PDD has been revised using the valid version of the template /13/. To meet the template guidelines, minor corrections have been made to the revised PDD/2/, which do not affect the project description or design.
Findings	No findings.
Conclusion	<p>According to the paragraph 232 of the PS, the project participants have not made any corrections to the project information or parameters fixed at registration of the CDM project activity as described in the registered PDD. The DOE confirms that the information transferred to the latest version of the form /13/ is materially the same as that in registered PDD /1/, except the proposed changes mentioned in later sections, and it is consistent with the template guidelines of the applicable form version /13/.</p>

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

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

D.5. Inclusion of a monitoring plan

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

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>The registered PDD indicated the following issues:</p> <ul style="list-style-type: none"> • There were installed two electricity meters one which measures gross generation and the other gross consumption. • The net electricity ($EG_{i,y}$) is the gross energy generation by the project activity power plant minus the auxiliary/station electricity consumption. $EG_{i,y} = EG_{GROSS,y} - EC_{AUX}$ • Meters calibration will be conducted as per manufacturer specifications, national standards, or international guidelines as appropriate, at least every third year. <p>However, the project activity has installed four electricity meters instead of two. One after the generators (M1) to measure gross generation, one at the site to measure the auxiliary consumption (M2) and two additional meters (M3 and M4) to measure the net electricity supplied to the mini-grid, in the feeder to Nebbi and Vurra. Due to this, the net electricity supplied to the mini-grid ($EG_{i,y}$) is measured directly from meters M3 and M4, which provides a higher level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan because the values measured by the meters M3 and M4 are taken account the transmission losses between the generators and these meters, as it is described in the figure of page 6 of this report.</p> <p>Meters M1 and M2 were calibrated before their installation in the project activity, in September 2012. In accordance with the calibration frequency indicated in the monitoring plan of the registered PDD, at least every third year they should be calibrated, however, the meters have not been calibrated again after their installation. This calibration frequency is a requirement that was included in the renewal PDD of the second crediting period whereas that the registered PDD for the first crediting period only required that the calibrations were conducted as per manufacturer specifications. National standards, or international guidelines. About that, the PP has provided to the audit team the manufacturer specifications /14/ of the meters M1 and M2 that indicate that the meters do not need any type of re-calibration when installed and used according to the technical specifications.</p> <p>The proposed alternative monitoring for the project activity indicated by the PP in the revised PDD is that the quality of the meters is controlled with the cross-checking of the values obtained from the meter M3 and M4 against the values of the meters M1 and M2, and using the most conservative value for emission reduction calculation to ensure that GHG emission reductions or net anthropogenic GHG removals are not overestimated as a result of the permanent change.</p> $EG_{i,y} = \text{Min} \left[(M3+M4) \text{ reading or } (EG_{GROSS,y} - EC_{AUX}) \right]$ <p>Moreover, If the variations are more than $\pm 0.5\%$ (due to the transformation losses between meter M3 and M4 and meters M1 and M2) /12/, then the accuracy test will be conducted, and the faulty meter will be re-calibrated or replaced with new meter.</p>
Findings	No findings
Conclusion	<p>Therefore, it is the opinion of the AENOR validation team that the permanent changes:</p> <ul style="list-style-type: none"> • According to the paragraph 296 of the VVS, the proposed permanent changes to the registered monitoring plan comply with the relevant requirements in the "CDM project standard for project activities". • According to the paragraph 238 of the PS, the project participants have included in the revised PDD a description of the nature and extent of the non-conforming monitoring and the proposed alternative monitoring for the project activity. Change is well explained and affected information have appropriately updated to be consistent with the assumption.

	<ul style="list-style-type: none"> According to the paragraph 207 of the VVS, the permanent changes to the registered monitoring plan described in the revised PDD are in compliance with the applied methodologies and the other applied methodological regulatory documents, and do not reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan. According to paragraph 298 of the VVS, the permanent changes to the registered monitoring plan are not likely to lead to a reduction in the accuracy of the calculation of GHG emission reductions or net anthropogenic GHG removals. However, in accordance with the paragraph 239 of the PS, the project participants apply conservative assumptions to ensure that GHG emission reductions or net anthropogenic GHG removals will not be over-estimated as a result of the permanent change.
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D.7. Changes to the project design

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

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

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

SECTION E. Internal quality control

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Following the completion of the assessment process by the validation team, all documentation undergoes an internal quality control through a technical review before submission to the CDM-EB. The technical reviewer is a qualified member of AENOR, independent from the team that carried out the validation of the post registration changes. The technical review team has collectively all the competence required including the technical area(s).

SECTION F. Validation opinion

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AENOR was contracted to perform the validation of the PRC for the CDM project activity: "West Nile Electrification Project (WNEP)" (Registration Ref. No. 0775).

AENOR has performed the validation of the proposed PRC according to the approved methodology "AMS I.A – Electricity generation by the user", Version 16.0, the VVS (Version 02.0), the PS (version 02.0) and PCP (Version 02.0).

AENOR planned and performed its work to obtain the information and explanations considered necessary to provide sufficient evidence to give reasonable assurance that the level of accuracy of GHG emission reductions, prepared on the basis of the monitoring plan included in the revised PDD compared with registered monitoring plan of the project activity is not adversely affect. This assessment included:

- Collection of evidence supporting the reported data.
- Checking whether the provisions of the revised PDD, were consistently and appropriately applied.

This revision improves the accuracy of information provided and consistency in the revised PDD and the monitoring plan with the baseline scenario, project scenario and CDM requirements. Furthermore, AENOR confirms that:

- The transfer of information from the old form of the PDD registered (F-CDM-SSC-PDD version 04.1) to the new form under prior-approval track (CDM- PDD FORM version 10.1) is totally correct and materially the same as the information in the PDD registered on 25/06/2014.
- The proposed revision points have been described, and an assessment has been provided to substantiate the reason for each of the proposed revision points of the revised PDD using objective evidences.

- The permanent changes proposed do not affect in any case to the correct fulfilment of the monitoring plan. Those changes are necessary to be more accurate and consistent between the project description and the ex-ante estimation of the GHG removals.
- The Project has correctly updated all affected sections of the revised PDD according to the new assumptions (proposed changes), applied methodology and tools in a realistic and accurate way and the proposed changes occurred do not have impact on the applicability and application of the applied methodology under which the project activity has been registered, the additionality of the project activity and the scale of the project activity and the compliance of the monitoring plan with the applied methodology.

For all the reasons stated above, AENOR is submitting a request for approval of the proposed changes by the prior-approval track as chosen by the project participants according to the paragraph 132 of the CDM Project Cycle Procedure version 02.0.

The proposed changes affecting to the monitoring plan are in accordance with the approved methodology and guidelines and would not negatively impact on the overall operation/ability of the CDM project to deliver the removals as stated in the revised PDD.

Madrid 12 August 2019



Luis Javier Arribas Alonso
Team Leader



José Luis Fuentes Pérez
Climate Change Manager

Appendix 1. Abbreviations

Abbreviations	Full texts
AENOR	AENOR INTERNACIONAL S.A.U
AMS I.A	Electricity generation by the user, Version 16.0
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM-EB	CDM Executive Board
CER	Certified emission reductions
CL	Clarification Request
CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DNA	Designated National Authority
DOE	Designated operational entity
EB	Executive Board of the CDM of the Kyoto Protocol
ER	Emission reduction
FAR	Forward action request
GHG	Greenhouse Gas
IBRD	International Bank for Reconstruction and Development
IE-DTC-039	Specific Instruction for the validation, verification and certification of Clean Development Mechanism (CDM) Project Activities
IPCC	Intergovernmental Panel on Climate Change
MP	Monitoring plan
MR	Monitoring report
MWh	Megawatt hour
PCP	Clean Development Mechanism Project Cycle Procedure for project activities

	(Version 02.0)
PDD	Project Design Document
PP	Project Participants
PS	Clean Development Mechanism Project Standard for project activities (Version 02.0)
tC	Tonnes of carbon
TJ	Terajoule
UNFCCC	United Nations Framework Convention on Climate Change
VVS	CDM Validation and Verification Standard for project activities (version 02.0)

Appendix 2. Competence of team members and technical reviewers

Necessary skills and competences to undertake the validation are confirmed by the qualification certificate of all team involved in the process.

CERTIFICATE OF QUALIFICATION

Subject: Validation of the PRC and technical review team for the project “West Nile Electrification Project (WNEP)”

Madrid, 10/06/2019

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the validation process of the above mentioned project activity:

Name: Luis Javier ARRIBAS ALONSO

CDM team leader: YES

CDM validator: YES

CDM verifier: N.A.

External technical expert: N.A.

Technical areas related with the project activity:

TA 1.2. Renewables



José Luis Fuentes

Climate Change Manager

CERTIFICATE OF QUALIFICATION


Subject: Validation of the PRC and technical review team for the project “West Nile Electrification Project (WNEP)”

Madrid, 10/06/2019

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the validation process of the above mentioned project activity:

Name: Marcelino Pellitero Martínez
CDM team leader: NO
CDM validator: YES
CDM verifier: N.A.
External technical expert: N.A.
Technical areas related with the project activity:

TA 1.2. Renewables



José Luis Fuentes
Climate Change Manager

CERTIFICATE OF QUALIFICATION


Subject: Validation of the PRC and technical review team for the project “West Nile Electrification Project (WNEP)”

Madrid, 10/06/2019

Hereby I confirm the following records of qualification, according with AENOR internal instruction “Validation, Verification and Certification of Clean Development Mechanism (CDM) project activities” IE-DTC-039, and with regard to the validation process of the above mentioned project activity:

Name: Elena Llorente Pérez
CDM team leader: NO
CDM validator: YES
CDM verifier: N.A.
External technical expert: N.A.
Technical areas related with the project activity:

TA 1.2. Renewables



José Luis Fuentes
Climate Change Manager

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	PP	PDD registered	Version 06.0	UNFCCC
2	PP	PDD revised	Version 08.0	PP
3	UNFCCC	AMS I.A – Electricity generation by the user	Version 16.0	UNFCCC
4	UNFCCC	CDM Validation and Verification Standard for project activities	version 02.0	UNFCCC
5	UNFCCC	Clean Development Mechanism Project Cycle Procedure for project activities	version 02.0	UNFCCC
6	UNFCCC	Clean Development Mechanism Project Standard for project activities	version 02.0	UNFCCC
7	AENOR	Interviews with World Bank and technicians of the project		AENOR
8	WENRECO	Auxiliary meter failure report.pdf	25/09/2015	PP
9	WENRECO	Monthly generation reports	2015-2018	PP
10	UNBS	Calibration certificate of electricity meter s/n: U3 2781	04/04/2018	PP
11	PP	Energy sheets	2015-2018	PP
12	PP	Analysis of meter readings	02May2019	PP
13	UNFCCC	CDM-PDD-FORM	Version 10.1	UNFCCC
14	Lovato electric	L20150323_DMK32_calibration	23/05/2015	PP
15	Lovato electric	L20181024_DMK-Calibration	2471072018	PP

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			
Project participant response			Date: DD/MM/YYYY
Documentation provided by project participant			
DOE assessment			
Date: DD/MM/YYYY			

Table 2. CARs from this validation

CAR ID	xx	Section no.	Date: DD/MM/YYYY
Description of CAR			
N/A			
Project participant response			Date: DD/MM/YYYY
Documentation provided by project participant			
DOE assessment			
Date: DD/MM/YYYY			

Table 3. FARs from this validation

FAR ID	xx	Section no.		Date: DD/MM/YYYY
Description of FAR				
N/A				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	31 October 2017	Revision to align with the requirements in the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: post-registration change, project activities, validation report		