




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

(Version 01.0)

Complete this form in accordance with the "Attachment: Instructions for filling out the validation report form for post-registration changes for CDM project activities" at the end of this form.

VALIDATION REPORT ON POST-REGISTRATION CHANGES (PRCs)

Title and reference number of the project activity	Daan Laifu Wind Farm Phase IV Project
Process track	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
Version number of the validation report on PRCs	01
Completion date of the validation report on PRCs	11/08/2017
Type(s) of PRCs	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline <input type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan to a registered project activity <input checked="" type="checkbox"/> Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline <input type="checkbox"/> Changes to the project design of a registered project activity <input type="checkbox"/> Types of changes specific to afforestation and reforestation project activities
Version number of PDD to which this report applies	Version 5.0
Project participant(s)	Daan CGN Wind Power CO., Ltd.
Host Party	China
Sectoral scope(s), selected methodology(ies), and where applicable, selected standardized baseline(s)	Sectoral scope 1: Energy industries (renewable-/non-renewable sources) Selected methodology : ACM0002 (Consolidated baseline methodology for grid-connected electricity generation from renewable sources, version 13.0.0)
Name of DOE	Shenzhen CTI International Certification Co., Ltd (CTI)

Name, position and signature of the approver of the validation report on PRCs	Zhou Lu, General Manager 
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SECTION A. Executive summary

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Shenzhen CTI International Certification Co., Ltd (CTI) has performed the validation of the the post-registration changes for the CDM project activity “Daan Laifu Wind Farm Phase IV Project” (hereinafter referred to “The project”) in China (UNFCCC Ref. No. 8304) registered on 28/11/2012. The project is a new grid-connected renewable power generation project, which is located at Anguang town, Daan County, Baicheng City, Jilin Province, P. R. China. The geographical coordinates are east longitude 123.3732°~123.4235° and north latitude 45.3702°~45.3936°. The project’s installed capacity is 49.5 MW, consisting of 24 wind turbine generators with a rated capacity of 2,000kW and 1 wind turbine generator with rated capacity of 1,500kW, the electricity generated by the project activity was supplied to the Northeast China Power Grid (hereafter referred to as “NECPG”), and the project is estimated to deliver 101,370 tonnes CO₂ emission reduction annually.

Scope of the validation:

- Whether the post changes are in compliance with the applied methodology and do not reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan;
- Whether the permanent changes are likely to lead to a reduction in the accuracy of the calculation of emission reductions.

Through document review and physical on-site investigation, the validation team confirms that the proposed post-registration changes does not require prior approval by the Board in accordance with the appendix to the Project Standard (PS). The post-registration changes has been described in the Revised PDD completed with the valid version of the PDD. In the CTI’s opinion, the post-registration changes to the registered monitoring plan described in the Revised PDD are in compliance with the applied methodology. The changes will not lead to a reduction in the accuracy of the calculation of emission reductions. Therefore, CTI recommends the approval of request for the changes as stated in the Revised PDD submitted by the project participant.

SECTION B. Validation team, technical reviewer and approver**B.1. Validation team member**

No.	Role	Type of resource	Last name	First name	Affiliation	Involvement in			
						Desk review	On-site inspection	Interview(s)	Verification findings
1.	Team Leader	IR	Li	Ziqi	N/A	√	√	√	√

B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation
1.	Technical reviewer	IR	Lin	Shunrong	N/A
2.	Approver	IR	Zhou	Lu	N/A

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

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To determine whether the permanent changes from the registered monitoring plan comply with the relevant requirements in the Project standard. CTI reviewed:

- The registered PDD for the project activity /1/, the validation report /2/ and the Revised PDD /4/;
- Baseline and monitoring methodology ACM0002 (Version 13.0.0) applied by the project /6/;
- Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board /7/-/11/; and
- Other information and references relevant to the project activity.

C.2. On-site inspection

Duration of on-site inspection: 13/07/2017				
No.	Activity performed on-site	Site location	Date	Team member
1.	To determine whether there are permanent changes from the registered monitoring plan	The project site and the control room of the plant	13/07/2017	Li Ziqi
2.	To determine whether the permanent changes comply with the relevant requirements in the Project standard	The office of the project	13/07/2017	Li Ziqi

C.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Liu	Yang	CGN Carbon Asset Management (Beijing) Co., Ltd.	13/07/2017	- Monitoring Plan - Monitoring data and Monitoring Report - GHG Calculations	Li Ziqi
2	Chen	Dawei	Daan CGN Wind Power CO., Ltd.	13/07/2017	- Monitoring Plan and management procedures - Monitoring data - Data uncertainty and residual risks (QA/QC)	Li Ziqi

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 PDD form	0	0	0
Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline	0	0	0
Corrections	0	0	0
Changes to the start date of the crediting period	0	0	0
Inclusion of a monitoring plan to a registered project activity	0	0	0
Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline	2	0	0
Changes to the project design of a registered project activity	0	0	0
Types of changes specific to afforestation and reforestation project activities	0	0	0
Others (please specify)	0	0	0
Total	2	0	0

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

Means of validation	<p>At the time of the PRC identified (i.e. the published time of MR for the 1st verification of the Daan Laifu Wind Farm Phase IV Project), the latest available version of CDM-PDD-FORM is Version 08.0.</p> <p>By checking the Revised PDD (Version 5.0 dated 08/08/2017, both in tracked-change and clean versions)/4/, CTI confirmed that the latest version has been applied for the Revised PDD and the input is according to the instructions therein for filling out the PDD form/11/.</p> <p>The version of PDD form for the revised PDD is later than the one of the registered PDD. By comparing the revised PDD with the registered PDD, CTI confirms that the information transferred to the Revised PDD is materially the same as that in the</p>
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	registered PDD. The changes are only related the post-registration changes to the registered monitoring plan (as described in the Section D.6 of this report) and the changes related to the updated start date of the crediting period which has been approved by EB (Refer to the UNDCCC website: http://cdm.unfccc.int/Projects/DB/LRQA%20Ltd1353405856.43/view.).
Findings	NA
Conclusion	The Verification Team confirms that the revised PDD is compliance with the valid version of the CDM-PDD-FORM and the instructions therein for filling out the CDM-PDD-FORM, and the information transferred to the later valid version applied for the revised PDD is materially the same as that in the registered PDD.

D.2. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

Means of validation	NA
Findings	NA
Conclusion	NA

D.3. Corrections

Means of validation	NA
Findings	NA
Conclusion	NA

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

Means of validation	NA
Findings	NA
Conclusion	NA

D.5. Inclusion of a monitoring plan to a registered project activity

Means of validation	NA
Findings	NA
Conclusion	NA

D.6. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline

Means of validation	<p>The post-registration changes to the registered monitoring plan is identified during the process performing the 1st verification of Daan Laifu Wind Farm Phase IV Project. The changes are assessed in accordance with applicable validation requirements related to the permanent changes from the registered monitoring plan in the VVS as below:</p> <p>(1) As per the registered monitoring plan, the project will share the primary power meter (M11) and the backup power meter (M12) with the other project, which is Daan Laifu Wind Farm Phase III Project. The meters will be installed in the project site to measure the electricity supply to the grid by the Project. The accuracy of electricity meter will be no lower than 0.5s according to the national Calibration standard (DL/T 448-2000).</p> <p>However, As per the requirement of the Grid Company /5/, the project will share the primary power meter (M11) and the backup power meter (M12) with the other three project, which are CGN Jilin Daan Laifu Wind Farm Phase I Project, Daan Laifu Wind Farm Phase II Project and Daan Laifu Wind Farm Phase III Project. The accuracy of power meters M21, M22, M23, M31, M32, ..., M3n is 0.5, which are installed at 35kV transmission lines.</p> <p>The PDD has been revised to indicate the changes from the registered monitoring plan. Through the on-site investigation and the document review, the Verification Team has confirmed that the actual monitoring structure is in accordance with the Power Purchase Agreement /5/ and revised monitoring plan reflects the actual project information.</p>
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	<p>As per the Project Standard (Ver.9.0), for the “Permanent changes from the registered monitoring plan”, if the changes to the monitoring of the registered CDM project activity is related to the one(s) listed below which do not require prior approval by the Board:</p> <ul style="list-style-type: none"> (a) Change of calibration frequency or practice for monitoring equipment not within the control of project participants or the coordinating/managing entity; (b) Change of accuracy/type/model of meter(s) as per a power purchase agreement (PPA); or (c) Change of location of meter(s) as per a PPA; (d) Change of location of electricity meters if the transmission loss is taken into account; (e) Change of location of substation not within the control of the project participants or the coordinating/managing entity; (f) Change of calibration frequency or practice for monitoring equipment as per the applied methodology or national standard; or (g) Change of frequency of monitoring certain parameters as per the applied methodology. <p>As stated above, the changes of the proposed project are only related to the changes on the quantity and the accuracy of the 35kV transmission lines meters. It considers the changes belongs to the item (c), thus the proposed changes does not require the prior approval by the EB. CTI confirms that the changes do not affect the application of the applied methodology, and the changes do not lead to a reduction in the accuracy of the calculation of emission reductions.</p>
Findings	<p>CL1: In the registered PDD, it clearly stated that “the project will share the primary power meter (M11) and the backup power meter (M12) with the other project, which is Daan Laifu Wind Farm Phase III Project”. However, by checking the PPA, CTI found that the project will share the primary power meter (M11) and the backup power meter (M12) with the other three project, which are CGN Jilin Daan Laifu Wind Farm Phase I Project, Daan Laifu Wind Farm Phase II Project and Daan Laifu Wind Farm Phase III Project. The clarification is sought on such inconsistency.</p> <p>CL2: In the registered PDD, it clearly stated that “The meters will be installed in the project site to measure the electricity supply to the grid by the Project. The accuracy of electricity meter will be no lower than 0.5s according to the national Calibration standard (DL/T 448-2000).” However, during the site visit, CTI found the accuracy of the meters is 0.5, which are installed at 35kV transmission lines. The clarification is sought on such inconsistency.</p>
Conclusion	CTI confirms that the post-registration changes comply with the relevant requirements related to the permanent changes from the registered monitoring plan in the Project Standard (Ver. 9.0) and do not require the prior approval by the EB.

D.7. Changes to the project design of a registered project activity

Means of validation	NA
Findings	NA
Conclusion	NA

D.8. Types of changes specific to afforestation and reforestation project activities

Means of validation	NA
Findings	NA
Conclusion	NA

SECTION E. Internal quality control

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This final validation report including the initial findings underwent a technical review before being submitted to project participants and requesting the approval for the changes according to CTI internal procedure. The technical reviewers were not part of the validation team, and the technical review was independently of the validation team.

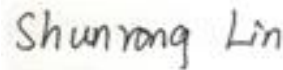
SECTION F. Validation opinion

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CTI has performed the validation of the post-registration changes according to the VVS (version 9.0). In CTI's opinion, the post-registration changes ensure the accuracy and completeness of monitoring and verification process based on the actual conditions. The Validation Team is able to confirm the revision of monitoring plan included in the Revised PDD does not require the prior approval by the Board as per the PS (version 9.0). CTI recommends the approval of request for the changes as stated in the as stated in the Revised PDD submitted by the project participant. In line with the Para.158 of PCP, CTI can submit the changes for acceptance by the Board as part of the request for issuance.



Mr. Li Ziqi
Team Leader
11/08/2017



Ms. Lin Shunrong
Technical Reviewer
11/08/2017

Appendix 1. Abbreviations

Abbreviations	Full texts
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction(s)
CL	Clarification request
NECPG	Northeast China Power Grid
CTI	Shenzhen CTI International Certification Co., Ltd
DOE	Designated Operational Entity
EB	Executive Board
FAR	Forward Action Request
MR	Monitoring Report
PCP	CDM project cycle procedure
PDD	Project Design Document
PPA	Power Purchase Agreement
PS	Project Standard
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Clean Development Mechanism Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

Mr. Li Ziqi

Satisfies the requirements of the Certification Body of CTI and is hereby appointed as:

Qualification as						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	01/01/2015	01/01/2015	01/01/2015	01/01/2015	01/01/2015	01/01/2015

Qualification in the scope and technical area		
Technical area	Technical area	Technical area
SS 1: Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources	01/01/2015

This appointment is valid for 3 years from its date of approval below and is bound by internal requirements of management system of the Certification Body of CTI.

Approved by:

Lin Wu

Wu Lin

Technical competent manager
Shenzhen, 01/01/2015

Ms. Lin Shunrong

Born on 19/11/1977

Satisfies the requirements of the Certification Body of CTI and is hereby appointed as:

Qualification as						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	01/01/2015	01/01/2015	01/01/2015	01/01/2015	01/01/2015	01/01/2015

Qualification in the scope and technical area		
Scope	Technical area	Date
SS 1: Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources	01/01/2015

This appointment is valid for 3 years from its date of approval below and is bound by internal requirements of management system of the Certification Body of CTI.

Approved by:

Lin Wu

Wu Lin

Technical competent manager
Shenzhen, 01/01/2015

Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
/1/	CGN Carbon Asset Management (Beijing) Co.,Ltd	CDM-PDD for project activity	Version 4.0 dated 15/11/2012	Project participant
/2/	LRQA	Validation report for project activity	Version 01.4 dated 15/11/2012	Others
/3/	CGN Carbon Asset Management (Beijing) Co.,Ltd	Published version of Monitoring Report for the 1 st verification of Daan Laifu Wind Farm Phase IV Project	Version 01 dated 08/06/2017	Project participant
/4/	CGN Carbon Asset Management (Beijing) Co.,Ltd	Revised PDD for project activity (both in tracked-change and clean versions)	Version 5.0 dated 08/08/2017	Project participant
/5/	Daan CGN Wind Power CO., Ltd. and Jilin Power (Group) Co., Ltd.	Power Purchase Agreement for Daan Laifu Wind Farm Phase IV Project	-	Project participant
/6/	EB	Consolidated baseline methodology for grid-connected electricity generation from renewable sources- ACM0002	Version 13.0.0	Others
/7/	EB	Clean Development Mechanism Validation and Verification Standard	Version 9.0	Others
/8/	EB	Clean Development Mechanism Project Standard	Version 9.0	Others
/9/	EB	Clean Development Mechanism Project Cycle Procedure	Version 9.0	Others
/10/	EB	Attachment: Instructions for filling out the validation report form for post-registration changes for CDM project activities of CDM-PRCV-FORM	Version 01.0	Others
/11/	EB	Attachment: Instructions for filling out the project design document form for CDM project activities of CDM-PDD-FORM	Version 06.0	Others

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

Table 1. CL from this validation

CL ID	1	Section no.	E.7	Date:	15/07/2017
Description of CL					
In the registered PDD, it clearly stated that “the project will share the primary power meter (M11) and the backup power meter (M12) with the other project, which is Daan Laifu Wind Farm Phase III Project”. However, by checking the PPA, CTI found that the project will share the primary power meter (M11) and the backup power meter (M12) with the other three project, which are CGN Jilin Daan Laifu Wind Farm Phase I Project, Daan Laifu Wind Farm Phase II Project and Daan Laifu Wind Farm Phase III Project. The clarification is sought on such inconsistency.					
Project participant response					Date: 08/08/2017
In the registered CDM-PDD (version 4.0, 05/11/2012), the project will share the primary power meter (M11) and the backup power meter (M12) with the other project, which is Daan Laifu Wind Farm Phase III Project. However, in actual, there are three other projects, namely, CGN Jilin Daan Laifu Wind Farm Phase I Project, Daan Laifu Wind Farm Phase II Project and Daan Laifu Wind Farm Phase III Project. Hence, in the registered monitoring plan, the sketch for the location of the meters in Section B.7.3 and some relevant description in the registered CDM-PDD (version 4.0, 05/11/2012) should be permanently changed. The relevant contents have been described in Section B.2.5 of the MR (version 02, 08/08/2017). Moreover, the registered CDM-PDD has also been updated.					
Documentation provided by project participant					
Revised PDD (version 5.0, 08/08/2017)					
DOE assessment					Date: 11/08/2017
By checking the PPA and diagram of power connection system during the site visit, CTI found the project will share the primary power meter (M11) and the backup power meter (M12) with the other three project, which are CGN Jilin Daan Laifu Wind Farm Phase I Project, Daan Laifu Wind Farm Phase II Project and Daan Laifu Wind Farm Phase III Project. CTI confirmed that the change is out of control of project participants and happened prior to the project implementation. The assessment of the correction is submitted together with the revised PDD for acceptance by the CDM EB as part of the request for issuance for this monitoring period. CL 1 is closed.					

CL ID	2	Section no.	E.7	Date:	15/07/2017
Description of CL					
In the registered PDD, it clearly stated that “The meters will be installed in the project site to measure the electricity supply to the grid by the Project. The accuracy of electricity meter will be no lower than 0.5s according to the national Calibration standard (DL/T 448-2000).” However, during the site visit, CTI found the accuracy of the meters is 0.5, which are installed at 35kV transmission lines. The clarification is sought on such inconsistency.					
Project participant response					Date: 08/08/2017
In actual, the accuracy of the power meter M21, M22, M23, M31, M32, ..., M3n is 0.5. Hence, in the registered monitoring plan, the descriptions of the accuracy of the meter M21, M22, M23, M31, M32, ..., M3n in Section B.7.1 in the registered CDM-PDD (version 4.0, 05/11/2012) should also be permanently changed. The relevant contents have been described in Section B.2.5 of the MR (version 02, 08/08/2017). Moreover, the registered CDM-PDD has also been updated.					
Documentation provided by project participant					
Revised PDD (version 5.0, 08/08/2017)					
DOE assessment					Date: 11/08/2017

By checking the PPA and interviewing with project participants, CTI confirmed that the accuracy of the meters M21, M22, M23, M31, M32, ..., M3n is 0.5 base on the unified planning by Jilin Power (Group) Co., Ltd. The meters have been installed before the registration date and crediting period of the Project, the change would not negative affect the emission reduction calculation of project activity. The change is not within the control of project participants and the assessment of the change is submitted together with the revised PDD for acceptance by the CDM EB as part of the request for issuance for this monitoring period.

CL 2 is closed.

Table 2. CAR from this validation

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

Table 3. FAR from this validation

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

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Document information

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01.0	23 March 2015	Initial publication.
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