VCS VERIFICATION REPORT

CGN INNER MONGOLIA ZHURIHE PHASE I WIND FARM PROJECT

(VCS PROJECT ID: 1182)

Document Prepared By

Shenzhen CTI International Certification Co., Ltd

Project Title	CGN Inner Mongolia Zhurihe Phase I Wind Farm Project
Version	01.1
Report ID	CTI/NB-2020-1209

Report Title	CGN Inner Mongolia Zhurihe Phase I Wind Farm Project
Client	CGN Carbon Asset Management (Beijing) Co., Ltd
Pages	32
Date of Issue	10/08/2021
Prepared By	Shenzhen CTI International Certification Co., Ltd
Contact	Address: F8-A CTI Building, No.4 LiuXianSan Road, Xin'an Street, Bao'an District, 518101, Shen Zhen, China Tel: +86 10 65580012 *Email: linshunrong@cti-cert.com* Website: http://www.cti-cert.org
Approved By	Zhou Lu 
Work Carried Out By	Team Leader: Lin Shunrong Technical Reviewer: Wang Guolian

Summary:

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the verification of the emission reductions reported for the project activity "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" (VCS Project ID:1182) for the monitoring period 21/12/2016-03/03/2019 within the 1st VCS crediting period 04/03/2009-03/03/2019, to review and determine the monitored reductions in GHG emissions that have occurred as a result of the project activity. These emission reductions are claimed as Verified Carbon Units (VCU) under the Verified Carbon Standard (VCS) version 4.

The verification was performed on the basis of VCS Programme Guide version 4.0 and VCS Standard version 4.1 for the VCS projects, as well as criteria given to provide for consistent project operations, monitoring and reporting. The verification was conducted by means of document review, follow-up interviews and site inspections, and the resolution of outstanding issues. The verification team identified one CL, no CAR nor FAR in this monitoring period.

In CTI's opinion, the GHG emission reductions reported for the project in the monitoring report (version 03 dated 10/08/2021) are fairly stated. The GHG emission reductions of the period from 21/12/2016-03/03/2019 within the 1st VCS crediting period were calculated correctly on the basis of approved methodology ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources" (version 07) and the monitoring plan contained in the revised PDD (version 1.5 dated

12/03/2012).

CTI does not assume any responsibility towards the issuance and utilization of the VCUs hereby verified and certified. Request for issuance of VCUs shall be made by the project proponent to an approved VCS Program Registry based on the requirements set out under the most recent version of the VCS Program Guidelines clause on VCS Registration.

The verification of reported emission reductions is based on the information made available to CTI and the engagement conditions detailed in this report. CTI cannot be held liable by any party for decisions made or not made based on this report.

Hence, CTI is able to certify that the emission reductions from the "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" during the period amount to 237,397 tCO_2e.

CONTENTS

Contents **4**

1 Introduction **6**

1.1. Objective 6

1.2. Scope and Criteria 6

1.3. Level of Assurance 7

1.4. Summary Description of the Project 7

2. Verification Process **8**

2.1. Method and Criteria 8

2.2. Document Review 8

2.3. Interviews 9

2.4. Site Inspections 10

2.5. Resolution of Findings 11

2.6. Eligibility for Validation Activities 11

3. Validation Findings **12**

3.1. Participation under Other GHG Programs 12

3.2. Methodology Deviations 13

3.3. Project Description Deviations 13

3.4. Grouped Project 13

4. Verification Findings **14**

4.1. Project Implementation Status 14

4.2. Safeguards 19

4.3. AFOLU-Specific Safeguards 20

4.4. Accuracy of GHG Emission Reduction and Removal Calculations 20

4.5. Quality of Evidence to Determine GHG Emission Reductions and Removals 24

4.6. Non-Permanence Risk Analysis 25

5. Verification conclusion **26**

APPENDIX A: Abbreviations **28**

APPENDIX B: references **29**

APPENDIX C: Corrective Action Requests, clarification requests and Forward Action Requests.....32

1 INTRODUCTION

CGN Carbon Asset Management (Beijing) Co., Ltd has commissioned Shenzhen CTI International Certification Co., Ltd (CTI) to carry out the verification and certification of emission reductions reported for the "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" (the project) for the monitoring period 21/12/2016-03/03/2019. This report contains the findings from the verification and includes a verification statement for the verified carbon units.

1.1. Objective

Verification is the periodic independent review and ex-post determination by an accredited verification body of the monitored reductions in GHG emissions that have occurred as a result of the registered VCS project activity during a defined verification period.

A verification statement is the written assurance by a verification body that, during a specific period in time, a project activity achieved the emission reductions as verified.

The objective of this verification was to verify and provide a verification statement of emission reductions reported for the "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" for the period 21/12/2016-03/03/2019.

1.2. Scope and Criteria

The scope of the verification is:

- To verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan;
- To evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emissions reduction data is free from material misstatement;
- To verify that reported GHG emissions data is sufficiently supported by evidence.

The criteria of the verification are:

- VCS Program Guide (version 4.0)/29/
- VCS Standard (version 4.1)/28/ and other relevant requirements defined by Verra;
- The approved methodology ACM0002 (version 07)/32/ applied by the project.

The verification shall ensure that reported emission reductions are complete and accurate in order to be verified.

1.3. Level of Assurance

The verification report expresses a conclusion with a reasonable level of assurance about whether the reported GHG emissions reduction data is free from material misstatement. CTI applied a materiality threshold of 5% with respect to omission or misstatements concerning reported quantities as per VCS standard.

1.4. Summary Description of the Project

1.4.1. Sectoral Scope and Project Type

According to the VCS Program Guide (version 4.0)/29/, the project is applicable under the following activity categories:

- Sectoral Scope: 1. Energy (Renewable/non-renewable)
- Project Type: Wind power project

According to Annex A of the Kyoto Protocol, the project is applicable under the Sectoral Scope 1: Energy Industries (renewable/ non-renewable sources).

1.4.2. Project Background

The project is located in Zhurihe Town, Xilinguole City, Inner Mongolia Autonomy Region, P. R. China, with center coordinates of east longitude 112°46'30''E and north latitude 42°27'40''N. The project activity was registered as a CDM project with Ref.1577 on 23/12/2009 and the 1st CDM crediting period is from 23/12/2009 - 22/12/2016, which has been renewed on 21/03/2019 with the 2nd CDM crediting period from 23/12/2016-22/12/2023. The project has been registered as VCS project with Ref. VCS 1182 under VCS Standard Version 3.4. As per the VCS standard, the project starting date is 04/03/2009 when the first turbine put into operation and began generating GHG emission reductions. The amount of 80,706tCO_2e VCUs have been issued for the monitoring period from 04/03/2009-22/12/2009.

The installed capacity of the project is 50MW equipped with 25 sets of 2000kW wind turbine-generators in type of BZD80-2000 manufactured by Beijing Beizhong Stream Turbine Generator Co., Ltd. The electricity generated by the project activity is supplied to the North China Power Grid (hereafter referred to as "NCPG"), and the project is estimated to deliver 130,755tonnes CO_2 emission reduction annually.

2. VERIFICATION PROCESS

2.1. Method and Criteria

The verification was performed through means of the following three phases in accordance with the requirement of the revised CDM PDD (version 1.5 dated 12/03/2012) and the GAP VCS PD (version 02 dated 24/12/2013), the applied methodology, and the VCS Standard (version 4.1) and other relevant VCS requirements:

- A desk review of the monitoring report and all support documents;
- Follow-up interviews with project stakeholders and site inspection;
- The resolution of outstanding issues and the issuance of the verification report and statement.

The following sections outline each step in more detail.

The verification of the emission reductions has assessed all factors and issues that constitute the basis for emission reductions from the project. These include:

- The emission reduction calculations and the relevant data records;
- The calibration and maintenance records for the monitoring instruments;

The management systems to support the project operation and monitoring

2.2. Document Review

Based on the requirements of competency, experience and qualified sectoral scopes, CTI appointed a verification team in accordance with CTI's internal procedures.

Function	Name	Technical competence	Task Performance*
Team Leader	Lin Shunrong	1.2, 14.1, 15.1	☒ DR ☒ SV ☒ RP ☐ TR
Technical Reviewer	Wang Guolian	1.2, 3.1, 4.1, 5.1, 5.2, 11.1, 11.2, 12.1	☒ DR ☐ SV ☐ RP ☒ TR

*DR=Document review; SV=Site visit; RP=Reporting; TR=Technical review

In addition to the VER/VCU monitoring report/1/, VCS PD (version 02 dated 24/12/2013) /14/, emission reduction calculation spreadsheet/2/, the following documents also were assessed as a part of the verification audit:

- The revised CDM PDD (version 1.5 dated 12/03/2012) for the project activity/13/, including the monitoring plan and the corresponding CDM validation report/19/;
- The previous VER/VCU monitoring report/20/ and verification report/21/, and previous CDM/CER monitoring reports/22/ and verification reports/23/;

- The validation reports for renewal of crediting period under CDM and VCS programmes /24//25/
- Baseline and monitoring methodology ACM0002 (version 07) applied by the project/32/;
  - Relevant decisions, clarifications and guidance from the Verra/28/-/32/; and
  - Other information and references relevant to the project activity.

During the desk review, CTI has applied standard auditing techniques to assess the quality of information provided. The following activities were performed:

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures; and

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

2.3. Interviews

On 10/04/2021, CTI visited the project proponent CGN Wind Power Co., Ltd. to perform on-site assessment. The key personnel of the project were interviewed or assisted the verification team /33/. Main topics of the interview cover implementation of the project construction, applicability of selected methodology, implementation of project monitoring, emission reduction calculation, etc.The key personnel interviewed/33/ are summarized in the table below:

Interviewed personnel	Role	Subject
Ms. Li Meng	CDM Director of CGN Wind Power Co., Ltd.	Operation of the project activity; Implementation of the monitor plan of the project activity; Data collection and data achievement; Calibration of meters and equipment maintenance; Data collection and ER calculation; Data collection and ER calculation; Local stakeholders' consultation; Project's sustainable development contributions.
Mr.Guan Xianfeng	Engineer of CGN Wind Power Co., Ltd.	
Mr. Miao Baoping	Contact person of CGN Wind Power Co., Ltd.	
Mr. Li Chunhui	Local villager	
Mr. Shi Wen	Local villager	
Mr. Cui Wenxue	Official of local Environment Protection Burea	
Mr. Xu Xiansong,	Senior Project Manager of CGN Carbon Asset Management (Beijing) Co., Ltd	

2.4. Site Inspections

During the on-site assessment, CTI has applied standard auditing techniques to assess the quality of information provided. The following aspects of the project activity have been verified:

- An assessment of the implementation and operation of the registered project activity is as per the revised CDM PDD and VCS PD of the project activity;
- A review of information flows for generating, aggregating and reporting the monitoring parameters; and
- Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the revised PDD;
- A cross-check between information provided in the monitoring report and data from other sources such as plant logbooks and Electricity Sales Receipts;
- A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the revised CDM PDD and the selected methodology;
- A review of calculations and assumptions made in determining the GHG data and emission reductions; and
- An identification that quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

The data presented in the monitoring report were assessed by review of the detailed project documentation and production records, as well as by interviews with personnel from the project

developer CGN Wind Power Co., Ltd. and project consultant CGN Carbon Asset Management (Beijing) Co., Ltd, and observation of collection of measurements, observation of established monitoring and reporting practices and assessment of the reliability of monitoring equipment. This has enabled the verification team to assess the accuracy and completeness of reported monitoring results, to verify the correct application of the approved monitoring methodology and the determination of the emission reductions.

In addition, all parameters required by the monitoring methodology ACM0002 (version 07), and the management system were assessed during the site visit.

2.5. Resolution of Findings

A corrective action request (CAR)shall be raised, where:

i. Non-conformities with the monitoring plan or methodology are found in monitoring and reporting, or if the evidence provided to prove conformity is insufficient;

ii. Mistakes have been made in applying assumptions, data or calculations of emission reductions which will impair the estimate of emission reductions;

iii. Issues identified in a FAR during validation to be verified during verification have not been resolved by the project proponents.

A clarification request (CL) shall be raised if information is insufficient or not clear enough to determine whether the applicable VCS requirements have been met.

The verification team identified 1 CL in this monitoring period, and no CARs was raised. The CL was satisfactorily addressed by the project proponents in the revised monitoring report and PD (refer to Appendix A for further details).

2.5.1. Forward Action Requests

A forward action request (FAR) is issued for actions if the monitoring and reporting require attention and/or adjustment for the next monitoring period.

CTI confirmed that there was no FAR identified in previous verification/21/, and no FAR was raised during this verification.

2.6. Eligibility for Validation Activities

The project has been validated by Det Norske Veritas under the CDM rules and registered as CDM project on 23/12/2009/19/.

CTI was accredited in Sectoral Scope 1 on validation and verification and thus is eligible for validation and verification activities on the proposed project, the previous validation and verification activities undertaken by CTI as below:

- The VCS GAP validation and the VCS verification for the monitoring period 04/03/2009-22/12/2009 prior to the CDM crediting period were completed by CTI on 30/12/2013; /21/
- The 2nd CDM renewal crediting period 23/12/2016-22/12/2023 was validated by CTI approved on 21/03/2019; /24/
- The validation for the 2nd VCS renewal crediting period 04/03/2019 to 03/03/2029 was completed by CTI on 30/09/2020. /25/

By checking the UNFCCC website, the VCS pipeline and the previous verification reports/21//23/, it is confirmed the verification for this monitoring period 21/12/2016-03/03/2019 is no more than 6 years, nor consecutive to the previous verification with the monitoring period 04/03/2009-22/12/2009 undertaken by CTI, therefore it is in line with the requirement for VVB stipulated in Section 4.1.20 of VCS standard version 4.1.

3. VALIDATION FINDINGS

The project activity is registered as CDM project activity under the UNFCCC on 23/12/2009 with the Registration Ref. No. 1577.The CDM crediting period of the project starts on 23/12/2009 with a renewable crediting period of 3*7 years. The emission reductions from 04/03/2009-22/12/2009 prior to the CDM crediting period were claimed as Voluntary Carbon Units (VCUs) under the Voluntary Carbon Standard (VCS 3.4).

By checking the revised CDM PDD and site visit interview with project owner, it is confirmed that the project started operation on 04/03/2009 which is the project start date according to the requirement of VCS. A deviation was identified for the crediting period of the Project. The project is registered under VCS Version 3.4 and completed validation before 19/03/2020. As per VCS requirement, it remains eligible to apply the crediting period requirements under VCS Version 3 which shall be a maximum of ten years and may be renewed at most twice. Therefore, the first renewable crediting period of the Project is updated from 04/03/2009-22/12/2009 to 04/03/2009-03/03/2019, which lasts for 10 years.

3.1. Participation under Other GHG Programs

The project has been registered as a CDM project on 23/12/2009 under the UNFCCC with Ref. 1577 The 1st CDM crediting period is 23/12/2009 - 22/12/2016 and the 2nd CDM crediting period is renewed as 23/12/2016-22/12/2023. By checking the UNFCCC website (https://cdm.unfccc.int/Projects/DB/DNV-CUK1200642678.34/view?cp=1), it is confirmed that emission reductions within the monitoring periods 23/12/2009-28/02/2011, 01/03/2011-31/05/2012, 01/06/2012-31/12/2012 and 01/01/2013-20/12/2016 have been applied for CERs, and total 528,045tCO_2e of CERs have been issued. Furthermore, by checking the UNFCCC website (https://cdm.unfccc.int/Projects/DB/DNV-CUK1200642678.34/view) it is also confirmed that no GHG

emission reductions has been issued or requested for issuance under the CDM program during the current 2nd CDM crediting period.

CTI only performed verification activities on the proposed monitoring period within the 1st renewable crediting period for the project according to the VCS Program Guide.

3.2. Methodology Deviations

The validation process/19/ has assessed all factors and issues that constitute the basis for emission reductions from the project according to the applicable CDM methodology ACM0002 (version 07) /32/. There was not any methodology deviation applied to this project. Details refer to section 4.1.

3.3. Project Description Deviations

There was a deviation identified for the crediting period of the project activity. By checking the registered VCS PD and site visit interview with project owner, it is confirmed that the project started operation on 04/03/2009 which is the project start date according to the requirement of VCS. The project is registered under VCS Version 3.4 and completed validation before 19/03/2020. As per VCS requirement, it remains eligible to apply the crediting period requirements under VCS Version 3 which shall be a maximum of ten years and may be renewed at most twice. Therefore, the first renewable crediting period of the Project is updated from 04/03/2009-22/12/2009 to 04/03/2009-03/03/2019, which lasts for 10 years. CTI verifies that the deviation of crediting period is also applied for this monitoring period, which has been appropriately described and justified in the MR, and confirms it has no impacts on the applicability, additionality or baseline of the project as per Section 3.18 of the VCS standard 4.1 and meets all appropriate rules and requirements of VCS standard.

Except the crediting period deviation, there were no other project description deviations identified by CTI to this monitoring period. The verification team assessed through visual inspection and document review that all physical features of the proposed project activity including data monitoring, reporting and collecting systems have been implemented in accordance with the revised CDM PDD. CTI confirms that the project is fully implemented in accordance with the project description and monitoring plan contained in revised CDM PDD (version 1.5 dated 12/03/2012), and no other deviations for the project description. Details refer to section 4.1.

3.4. Grouped Project

The project was not a grouped project; hence this clause is not applicable.

4. VERIFICATION FINDINGS

This section summarises the findings from the verification of the emission reductions reported for the "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" for the monitoring period 21/12/2016-03/03/2019.

4.1. Project Implementation Status

4.1.1. Project Implementation in accordance with the registered project design document

The project is a wind power grid-connected plant and locates in Zhurihe Town, Xilinguole City, Inner Mongolia Autonomy Region, P. R. China. The centre geographical coordinates are verified by GPS system as east longitude 112°46'30''E and north latitude 42°27'40''N. The total installed capacity is 50MW equipped with 25 sets of 2000kW wind turbine-generators in type of BZD80-2000. The first turbine started operation on 04/03/2009 and the project put into full operation since 13/04/2009. The actual implementation of the project during this verification period was verified in terms of name plates of turbines and generators and the equipment purchase contract. The details of the turbines and generators with respect to their installation and capacity have been verified to be consistent with description indicated in the revised CDM PDD.
The electricity generated by the project activity is supplied to the NCPG, which can be confirmed by the Power purchase agreement (PPA) signed between CGN Wind Power Co., Ltd. and Inner Mongolia Electric Power Company/3/. All the monitoring system in operation period is consistent with the description in the revised CDM PDD. The control system at the power plant is automated and assures continuous operation, including monitoring on malfunction of equipment. By checking the daily operation and maintenance records/7/, CTI can confirm that no serious malfunction happened and the plant was under a normal operation as expected in this monitoring period.

On-site training for the related procedures including monitoring, recording and reporting was verified to be in place/6/ and their implementation was confirmed by interview with the key operators/33/ and observing the operation.

CTI confirms that the project implementation is in accordance with the project description contained in revised CDM PDD. Furthermore, through visual inspection and document review, it is confirmed that all physical features of the project activity including data collection systems and storage systems have been implemented in accordance with the revised CDM PDD.

4.1.2. Compliance of monitoring plan with monitoring methodology

CTI is able to confirm that the monitoring plan in the revised CDM PDD (version 1.5 dated 12/03/2012) is in accordance with the approved methodology applied by the project activity, i.e. ACM0002 (version 07).

4.1.3. Compliance of monitoring with the monitoring plan

The monitoring has been carried out in accordance with the monitoring plan contained in the revised CDM PDD (version 1.5 dated 12/03/2012). CTI confirms that all parameters stated in the monitoring plan are monitored and reported appropriately. All parameters required to be monitored by the monitoring plan as per the monitoring methodology ACM0002 (version 07) and the management system were assessed during the site visit. The monitoring report lists each parameter required by the monitoring plan and the information flow (i.e. from data generation, aggregation, recording, calculation and reporting) for these parameters is provided. The information flow for each parameter in further verified in the following sections.

Parameters fixed ex ante

"Data and parameters fixed ex ante" in the MR are checked against the revised CDM PDD and GAP VCS PD. The parameter $EF_{grid,CM,y}$ is the combined emission factor of the grid, which was determined ex-ante at the validation stage and will be fixed during the first crediting period. CTI verified and confirms that the emission factor used in the monitoring report is in compliance with the revised CDM PDD.

Parameters monitored

CTI conducted document review and performed on-site assessment with project stakeholders to:

- A review of information flows for generating, aggregating and reporting the monitoring parameters;
- Determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the revised CDM PDD;
- A cross-check between information provided in the monitoring report and data from other sources such as plant logbooks and electricity sales receipts;

An identification that quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

According to the registered monitoring plan, the parameter to be monitored is as below:

EG_y Quantity of net electricity supplied to the grid by the project during year y

Based on the on-site visit and checking the connection diagram, PPA, meters and the monitoring plan in the revised CDM PDD, it is confirmed that the project activity shares the same transformer, substation, transmission line, and the main meter together with the backup meter with three other wind farms: CGN Inner Mongolia Zhurihe Phase II Wind Farm Project (UNFCCC ref. No. 3453,

Project A), CGN Inner Mongolia Suniteyouqi Phase 3 Windfarm Project (UNFCCC ref. No. 5746, Project B) and CGN Inner Mongolia Zhurihe Phase IV Wind Farm Project (Project C) during this monitoring period.

The bidirectional main meter and backup meter are installed at the Wenduer substation to monitor total electricity exports to (TEG_y) and imports from (CEG_y) the grid by all the three wind farms. The total net electricity supplied to the grid by all the wind farms are calculated as:

$$EG_{total} = TEG_y - CEG_y.$$

Separate meters M1~M15 are installed at each project site so that the electricity generation can be monitored for each wind farm for calculating the share of the project of the total net electricity exported to the grid. M1~M4 are installed in Lines1#~4# respectively to monitor the electricity generation from the project activity ($E_{project}$). M5~M15 are installed at the Project A, Project B and Project C respectively to monitor the generation from the three wind farms (E_{others}):

M5~M8 installed in Lines 5#~8# respectively to monitor the generation from Project A;

M9~M12 installed in Lines 9#~12# respectively to monitor the generation from Project B;

M13~M15 installed in Lines 13#~15# respectively to monitor the generation from Project C.

Thus, the net electricity delivered to the grid by the project activity (EG_y) is determined by the way of electricity allocation:

$$EG_y = EG_{total} * E_{project} / (E_{project} + E_{others})$$

Where:

EG_{total}: total net electricity supplied to the grid by all wind farms measured by the main meter;

$EG_{project}$: the electricity generation of the Project measured by meters M1~M4;

EG_{others}: the electricity generation of Project A, Project B and Project C measured by meters M5 ~M15

The verification team had on-site checked the location of the meters against the diagram of power connection system/4/ and found them to be consistent and also installed in accordance with the revised CDM PDD. All the monitoring facilities and system have been verified by CTI during on-site visit.

The meter readings are continuously measured and recorded by trained staff of the project as agreed with the grid company at 24:00 on the 20th of each month/8/. The electricity sales receipts /9/ issued by the local grid company have been used for cross-check of electricity exports and imports.

Through a cross check, the conservative values from electricity exports and imports were applied to calculate the net electricity supplied to the grid by the project. The data reported in the monitoring report and ERs calculation spreadsheet has been verified by the verification team.

Supporting references and data required to determine the net electricity supplied to the grid by the project is found to be complete and transparent.

To be concluded, monitoring of data and parameters related to the GHG emission reductions in the project activity have been carried out in accordance with the approved monitoring plan.

Monitoring equipment and calibration

The documents review was carried out. Particular attention was paid to the frequency of measurements, the quality of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the revised CDM PDD and the methodology ACM0002 (version 07) and corresponding tool(s), and the quality assurance and quality control procedures.

All monitoring meters have been calibrated annually as per the monitoring plan covering this monitoring period. The relevant information of the calibration is listed as below:

Meters	SN	Accuracy class	Calibration frequency	Calibration Date	Validity	Calibration entity
Main meter	95232541	0.2s	Annually	02/03/2016 01/03/2017 20/02/2018 10/02/2019	01/03/2017 28/02/2018 19/02/2019 09/02/2020	Electricity Measurement Inspect Centre of Inner Mongolia Electric Science Research Institute
Backup meter	95232545	0.2s	Annually			
M1	96716256	0.5s	Annually			
M2	96716255	0.5s	Annually			
M3	96716257	0.5s	Annually			
M4	94316656	0.5s	Annually			
M5	96716250	0.5s	Annually			
M6	96716251	0.5s	Annually			
M7	96716259	0.5s	Annually			
M8	96716254	0.5s	Annually			
M9	96716253	0.5s	Annually			
M10	87565489	0.5s	Annually			
M11	96716258	0.5s	Annually			
M12	96716252	0.5s	Annually			
M13	09040060580392	0.5s	Annually			
M14	09040060580383	0.5s	Annually			
M15	09040060580381	0.5s	Annually			

Calibration records and accreditation certificates/15/- /17/have been verified by the verification team. The actual accuracy of main meter and backup meter is verified to be 0.2s and the actual accuracy of the meters M1-M15 is verified to be 0.5s, which is more accurate than the description in the revised CDM PDD (any error resulting from the meter shall not exceed 0.5%) and in compliance with the Technical administrative code of electric energy metering (DL/T448-2016)/18/. The calibration frequency of meters is annual, which is consistent with the revised CDM PDD. Based on the site visit and by checking the calibration reports, CTI found the calibration frequency of these meters is annual, which is in line with the registered CDM, CTI confirms that:

- All meters have been installed in accordance with the monitoring plan;
- The meters' accuracy is in line with the requirement of the monitoring plan;
- The calibration frequency of the meters is annual, which is in line with the monitoring plan. And the calibrations are verified to be valid for the whole reporting period.

CL 01 was raised for requesting calibration information of all monitoring meters covering the reporting monitoring period, which has been successfully closed, Refer to Appendix C for details.

Data management and control

CGN Wind Power Co., Ltd. is responsible for operation and routine maintenance of power plant under the project activity. The quality assurance and quality control procedures have been addressed in the CDM project management and monitoring manual/5/, including the organization structure with the responsibilities, personnel competencies, monitoring procedures and monitoring management. By interview with the staff/33/ and check records /7//8/ during on-site visit, it can be confirmed that the monitoring management system is implemented following the project management and monitoring manual.

All monitoring devices have been calibrated and maintained periodically to ensure the accuracy of measurement. Calibration records of instruments used in measurements were made available during the verification visit and found to be valid for the entire period of the verification. Competence and training records of in-plant personnel engaged in measurement of plant parameters were presented during verification and found to be in order.

As the above and document review, verification team considers that the project activity operated properly in the way complying with the implementation plan and monitoring plan stipulated in the revised CDM PDD (version 1.5 dated 12/03/2012) and the monitoring was performed in a transparent and comprehensive manner during this monitoring period.

By checking the UNFCCC website (https://cdm.unfccc.int/Projects/DB/DNV-CUK1200642678.34/view?cp=1), it is confirmed that emission reductions within the monitoring periods 23/12/2009-28/02/2011, 01/03/2011-31/05/2012, 01/06/2012-31/12/2012 and 01/01/2013-20/12/2016 have been applied for CERs, except 01/06/2012-31/12/2012 awaiting for CERS issuance request, total 528,045tCO_2e of CERs have been issued. No emission reductions were issued as CERs or under CERs issuance request for the period 21/12/2016-22/12/2016 within the

first CDM crediting period 23/12/2009 - 22/12/2016. Furthermore, by checking the UNFCCC website (https://cdm.unfccc.int/Projects/DB/DNV-CUK1200642678.34/view) it is confirmed that no GHG emission reductions has been issued or requested for issuance under the CDM program during the current 2nd CDM crediting period 23/12/2016-22/12/2023.

Therefore, it is concluded no double counting issuance has occurred for this verified monitoring period 21/12/2016-03/03/2019 under both VCS and CDM programmes. Via the on-site interview, the proponent confirmed the emission reductions for this verified period are only claimed for VCUs issuance

The verification team has also checked other GHGs programs such as China Emission Trading System (CCER), Gold Standard, EU ETS, IREC, and based on the interview with the project proponent, it is confirmed that except CDM and VCS scheme:

- No evidence showing that the project has participated or been rejected under any other GHG programs since validation or previous verification;
- There is no observation that the project has received or sought any other form of environmental credit, or has become eligible to do so since validation or previous verification;
- The project is completely voluntary CDM project, not included in an emissions trading program or any other mechanism that includes GHG allowance trading.

Based on the on-site inspection, and through the interviews with local villagers and official from local environmental bureau, the verification team agrees on the following points regarding to the promotion of sustainability development by the project activity:

- Generate renewable electricity to achieve the national action for renewable energy development;
- Reduce greenhouse gas emissions in China, compared to a business-as-usual scenario, which contributes to the China's commitment to peak carbon dioxide emissions before 2030;
- Create local employment opportunity during the assembly and installation of wind turbines;
- Reduce other pollutants resulting from the power generation industry, compared to a business-as-usual approach, such as SO_2 and soot.

4.2. Safeguards

4.2.1. 4.2.1 No Net Harm

By checking the EIA summary and conclusion provided in the revised CDM PDD, it is confirmed that wind power is green power and the impact caused by wind power on the surrounding ecosystem and residents, wastewater, noise, solid waste and atmosphere etc. is very little, there would be no net harm caused due to the project activity. Also, the EIA of the project are approved by the government.

Also, no potential environment or social economic matter was found during the site visit. The project is renewable energy project and thus no net harm observed in air or water quality on-site.

4.2.2. Local Stakeholder Consultation

As per the revised CDM PDD, the local stakeholder's consultation was done in December 2007 through distributing questionnaires, which was designed to be easily filled in. 30 copies of questionnaire were distributed, and 100% recovered were received. The opinions expressed by the stakeholders were recorded and are available on request.

The survey showed that the proposed project receives strong support from the local community. They all believe the proposed project will promote local economic development and agree with the project development and construction. All such conclusion has been verified through site visit and check revised CDM PDD.

For this monitoring period, the project proponent has placed the complaint book in local village committee by the project proponent to allow villagers to record their comments timely. The contact person quarterly checked the complaint book. The phone number of contact person and information of the project are also published on the bulletin board of village committee to facilitate the direct communication from local villager. Furthermore, the contact person had the consultation meetings yearly with local villagers in March of 2016, 2017, 2018, 2019 and 2020 during the monitoring period. All the comments received by the contact person through the above approaches were timely collected and reported to the plant director. Based on the site inspection, i.e. by checking the complaint book/10/, yearly meeting memos/12/ and interviewing with the local villagers, the contact person and plant director/33/, the verification team confirmed that on-going communication mechanism was well set up and carried out at periodic intervals by the project proponent during this monitoring period, and there are no negative comments received for the project.

Moreover, the local environment bureau has conducted periodic spot-check and follow-up interviews with local villagers for their comments regarding to project implementation. Based on the interview with official from local environment bureau, the verification team confirmed that there were no negative comments and issues raised from the local stakeholders during this monitoring period and the project passed all the periodic spot checks by local government.

4.3. AFOLU-Specific Safeguards

For non-AFOLU projects, this section is not required.

4.4. Accuracy of GHG Emission Reduction and Removal Calculations

CTI confirms that appropriate methods and formulae for calculating baseline emissions, project emissions and leakage have been followed, and the assumptions, emission factors and default values that are applied in the calculation have been justified.

According to the applied methodology, the emission reductions are determined as the difference between the baseline emissions, project emissions and leakage:

$ER_y = BE_y - PE_y$

Baseline emissions

Baseline emissions are determined as multiplying quantity of net electricity supplied to the grid by the project during year y (EG_y) by the validated ex-ante fixed grid emission factor ($EF_{grid,CM,y}$).

$$BE_y = EG_y \times EF_{grid,CM,y}$$

Grid emission factor ($EF_{grid,CM,y}$)

$EF_{grid,CM,y}$ is the grid emission factor of the which has been verified ex-ante in the validation stage in the revised CDM PDD as 1.0548tCO_2e/MWh.

Quantity of net electricity generation supplied by the project to the grid in year y (EG_y)
As mentioned in Section 4.1.3 above,EG_y is determined as $EG_y = EG_{total} * E_{project} / (E_{project} + E_{others})$

Data in the monthly reading records were used to report. Through a cross check with the electricity sales receipts, the most conservative values have been applied to calculate the electricity exported to and imported from the grid by the project.

Table 1 Total net electricity supplied to the grid by all the wind farms (MWh)

Period	TEG_y			CEG_y			EG_{total}
	Main meter	Electricity sales receipts	Conservative	Main meter	Electricity sales receipts	Conservative	-
	A	B	C=MIN(A,B)	D	E	F=MAX(D,E)	G=C-F
21/12/2016-20/01/2017	31,265.09	31,265.09	31,265.09	84.72	84.72	84.72	31,180.37
21/01/2017-20/02/2017	32,839.46	32,839.46	32,839.46	35.88	35.88	35.88	32,803.58
21/02/2017-20/03/2017	28,871.15	28,871.15	28,871.15	95.31	95.31	95.31	28,775.84
21/03/2017-20/04/2017	34,442.04	34,442.04	34,442.04	60.63	60.63	60.63	34,381.41
21/04/2017-20/05/2017	45,447.80	45,447.80	45,447.80	43.11	43.11	43.11	45,404.69
21/05/2017-20/06/2017	21,140.09	21,140.09	21,140.09	107.92	107.92	107.92	21,032.17
21/06/2017-20/07/2017	26,700.42	26,700.42	26,700.42	96.71	96.71	96.71	26,603.71
21/07/2017-20/08/2017	25,895.61	25,895.61	25,895.61	77.62	77.62	77.62	25,817.99
21/08/2017-20/09/2017	38,041.05	38,041.05	38,041.05	59.45	59.45	59.45	37,981.60
21/09/2017-20/10/2017	31,471.61	31,471.61	31,471.61	81.22	81.22	81.22	31,390.39
21/10/2017-20/11/2017	60,533.61	60,533.61	60,533.61	37.24	37.24	37.24	60,496.37
21/11/2017-20/12/2017	34,848.83	34,848.83	34,848.83	91.09	91.09	91.09	34,757.74
21/12/2017-20/01/2018	46,633.50	46,633.50	46,633.50	140.96	140.96	140.96	46,492.54
21/01/2018-20/02/2018	39,928.87	39,928.87	39,928.87	57.78	57.78	57.78	39,871.09

Period	TEG_y			CEG_y			EG_{total}
	Main meter	Electricity sales receipts	Conservative	Main meter	Electricity sales receipts	Conservative	-
	A	B	C=MIN(A,B)	D	E	F=MAX(D,E)	G=C-F
21/02/2018-20/03/2018	48,644.57	48,644.57	48,644.57	69.08	69.08	69.08	48,575.49
21/03/2018-20/04/2018	55,467.04	55,467.04	55,467.04	37.25	37.25	37.25	55,429.79
21/04/2018-20/05/2018	36,564.60	36,564.60	36,564.60	76.42	76.42	76.42	36,488.18
21/05/2018-20/06/2018	34,628.61	34,628.61	34,628.61	76.08	76.08	76.08	34,552.53
21/06/2018-20/07/2018	29,204.16	29,204.16	29,204.16	74.94	74.94	74.94	29,129.22
21/07/2018-20/08/2018	13,881.29	13,881.29	13,881.29	157.06	157.06	157.06	13,724.23
21/08/2018-20/09/2018	45,358.19	45,358.19	45,358.19	45.33	45.33	45.33	45,312.86
21/09/2018-20/10/2018	33,656.82	33,656.82	33,656.82	116.18	116.18	116.18	33,540.64
21/10/2018-20/11/2018	34,529.47	34,529.47	34,529.47	63.97	63.97	63.97	34,465.50
21/11/2018-20/12/2018	52,157.05	52,157.05	52,157.05	97.57	97.57	97.57	52,059.48
21/12/2018-20/01/2019	43,062.72	43,062.72	43,062.72	57.82	57.82	57.82	43,004.90
21/01/2019-20/02/2019	17,467.10	17,467.10	17,467.10	190.39	190.39	190.39	17,276.71
21/02/2019-03/03/2019*	14,162.52	14,162.52	14,162.52	20.69	20.69	20.69	14,141.83
Total	956,843.27	956,843.27	956,843.27	2,152.42	2,152.42	2,152.42	954,690.85

Table 2 Net electricity supplied to the grid by the project (MWh)

Period	$E_{project}$	E_{others}			EG_{total}	EG_y
	M1-M4	M5-M8	M9-M12	M13-M15	-	-
	H	I	J	K	L	M=H/(H+I+J+K) *L
21/12/2016-20/01/2017	7,782.59	8,229.56	7,615.89	8,154.26	31,180.37	7,635.19
21/01/2017-20/02/2017	8,429.09	8,808.32	7,053.28	9,037.72	32,803.58	8,296.35
21/02/2017-20/03/2017	7,079.37	7,456.77	6,332.65	8,198.86	28,775.84	7,008.30
21/03/2017-20/04/2017	7,684.79	8,022.68	8,591.44	10,414.81	34,381.41	7,611.22
21/04/2017-20/05/2017	9,981.21	10,452.73	11,433.06	13,947.94	45,404.69	9,891.83
21/05/2017-20/06/2017	4,796.41	4,953.14	4,948.42	6,579.70	21,032.17	4,741.06
21/06/2017-20/07/2017	6,251.67	6,134.91	6,424.61	8,097.48	26,603.71	6,180.81

Period	$E_{project}$	E_{others}			EG_{total}	EG_y
	M1-M4	M5-M8	M9-M12	M13-M15	-	-
	H	I	J	K	L	M=H/(H+I+J+K) *L
21/07/2017-20/08/2017	6,178.04	6,199.80	5,991.97	7,785.37	25,817.99	6,098.39
21/08/2017-20/09/2017	9,269.58	9,217.26	9,257.69	10,839.12	37,981.60	9,124.93
21/09/2017-20/10/2017	7,455.35	7,814.93	7,272.91	9,228.80	31,390.39	7,365.80
21/10/2017-20/11/2017	15,567.81	15,745.79	13,731.51	16,293.34	60,496.37	15,354.08
21/11/2017-20/12/2017	8,571.12	9,418.95	7,852.53	9,556.39	34,757.74	8,415.85
21/12/2017-20/01/2018	11,431.13	11,967.22	11,252.36	12,926.87	46,492.54	11,170.43
21/01/2018-20/02/2018	10,146.16	10,425.53	9,169.44	10,989.05	39,871.09	9,932.15
21/02/2018-20/03/2018	12,757.45	12,366.14	11,243.40	12,890.97	48,575.49	12,580.69
21/03/2018-20/04/2018	13,070.39	13,749.26	13,683.52	15,958.75	55,429.79	12,831.46
21/04/2018-20/05/2018	8,339.78	9,050.45	8,756.40	10,687.66	36,488.18	8,261.41
21/05/2018-20/06/2018	7,980.21	8,312.85	8,482.55	10,052.81	34,552.53	7,916.99
21/06/2018-20/07/2018	6,665.64	6,841.04	7,202.07	9,075.85	29,129.22	6,518.96
21/07/2018-20/08/2018	3,181.22	3,273.11	3,213.99	4,304.32	13,724.23	3,124.66
21/08/2018-20/09/2018	11,111.58	10,874.14	11,004.82	12,798.78	45,312.86	10,995.95
21/09/2018-20/10/2018	8,277.02	8,372.60	7,921.78	9,257.85	33,540.64	8,206.40
21/10/2018-20/11/2018	7,978.16	8,719.78	7,799.32	10,588.82	34,465.50	7,837.04
21/11/2018-20/12/2018	11,730.70	12,742.11	12,830.79	15,698.46	52,059.48	11,522.08
21/12/2018-20/01/2019	9,669.50	10,400.00	9,797.95	13,576.60	43,004.90	9,571.75
21/01/2019-20/02/2019	3,582.59	4,030.09	4,055.28	5,900.35	17,276.71	3,523.12
21/02/2019-03/03/2019*	3,402.12	3,480.84	3,264.84	4,226.65	14,141.83	3,347.06
Total	228,370.68	237,060.00	226,184.47	277,067.58	954,690.85	225,063.96

*Note: During this monitoring period, the cut-off time is at 24:00 of the 20th of each month. Data in the monthly reading records were used to report, and crosschecked by electricity sales receipts. Readings during 21/02/2019-03/03/2019 are also verified with the confirmation letter issued by the grid company. The verification team accepted this approach for ERs calculation and cross check since it is conservative and reasonable.

The corresponding baseline emission reductions during this monitoring period is calculated as:

Period	EG_y	$EF_{grid,CM,y}$	BE_y
	(MWh)	(tCO_2e/MWh)	(tCO_2e)

21/12/2016-20/12/2017	97,723.81	1.0548	103,079
21/12/2017-20/12/2018	110,898.22	1.0548	116,975
21/12/2018-03/03/2019	16,441.93	1.0548	17,342
Total	225,063.96	1.0548	237,397

Project emissions

As statement in ACM0002 (version 07)/32/, for the wind power activities, the project emissions from the project are not considered. Hence, PE_y during the monitoring period from 21/12/2016-03/03/2019 is considered as zero.

Leakages

Leakage does not need to be accounted for this project as per the applied methodology.

Emission reductions

The emission reductions for this monitoring period were calculated as:

Monitoring period	GHG emission reductions or removals (tCO_2e)
21/12/2016-20/12/2017	103,079
21/12/2017-20/12/2018	116,975
21/12/2018-03/03/2019	17,342
Total ERs claimed (in 803 days)	237,397

Comparison of actual emission reductions or net anthropogenic GHG removals by sinks with estimates in registered CDM-PDD

The emission reductions claimed are 237,397tCO_2e in this monitoring period (i.e. 803 days). Compared with yearly expected emission reductions 130,755 tCO_2e (365 days) in the revised CDM PDD (corresponding to 287,661tCO_2e for this monitoring period), the reported emission reductions in this monitoring period are lower than the expected. Considering the natural fluctuate of the wind resource and actual generator operation conditions, CTI is able to confirm that the actual power supply and also emission reductions reported in this monitoring period are reasonable and appropriate. CTI verified the input data for calculating emission reductions and the calculating process, and confirmed the result were complete and transparent.

4.5. Quality of Evidence to Determine GHG Emission Reductions and Removals

All necessary documentations are collected, referenced and aggregated, which is easily accessible in hard-copy or electronic format. Measurements are performed by calibrated equipment, and the key

data can also be cross-checked via other sources, such as records, receipts and inventory data. No assumptions are used that have any material influence on reported emission reductions.

CTI concludes that during this monitoring period, the evidences for determination of emission reductions are sufficient and reasonable, and the calculation of emission reductions is reliable.

4.6. Non-Permanence Risk Analysis

The project is not AFOLU project, and thus non-permanence risk analysis is not applicable for the project.

5. VERIFICATION CONCLUSION

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the verification of the emission reductions that have been reported for the project activity "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" in China (VCS Project ID: 1182) for the period 21/12/2016-03/03/2019.

The verification is based on the baseline and monitoring methodology ACM0002 (version 07), revised CDM PDD (version 1.5 dated 12/03/2012) and the VCS PD (version 02 dated 24/12/2013) and the monitoring report (version 03 dated 10/08/2021). The verification consisted of the following three phases: i) desk review of the project design and the baseline and monitoring plan; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification and certification report.

The project proponents are responsible for the collection, calculation and determination of the GHG data in accordance with the monitoring plan and the reporting of GHG emission reductions on the basis set out within the project monitoring report.

Our verification approach was based on the requirements as defined under the applicable VCS Version 4 and relevant UNFCCC requirements. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. The verification can confirm that:

- the project is implemented and operated as per the revised CDM PDD and VCS PD;
- the monitoring plan in revised CDM PDD is as per the applied methodology;
- the monitoring complies with the monitoring plan in the revised CDM PDD;
- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS Version 4 and CDM requirements;
- the installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately;
- the monitoring system is in place and generates GHG emission reductions data;
- the GHG emission reductions are calculated without material misstatements.

It is CTI's responsibility to provide an independent verification statement on the reported GHG emission reductions for the project. Based on an understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these, CTI planned and performed our work to obtain the information and explanations that we considered necessary to provide reasonable assurance that reported GHG emission reductions are fairly stated.

CTI does not assume any responsibility towards the issuance and utilization of the VCUs hereby verified and certified. Request for issuance of VCUs shall be made by the project proponent to an approved VCS Program Registry based on the requirements set out under the most recent version of the VCS Program Guidelines clause on VCS Registration.

The verification of reported emission reductions is based on the information made available to CTI and the engagement conditions detailed in this report. CTI cannot be held liable by any party for decisions made or not made based on this report.

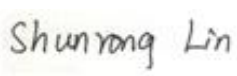
In CTI's opinion the GHG emissions reductions of the "CGN Inner Mongolia Zhurihe Phase I Wind Farm Project" for the period 21/12/2016-03/03/2019 are fairly stated in the monitoring report (version 03 dated 10/08/2021). The GHG emission reductions were calculated correctly on the basis of the approved methodology ACM0002 (version 07) and the monitoring plan contained in the revised CDM PDD (version 1.5 dated 12/03/2012) and the VCS PD (version 02 dated 24/12/2013).

CTI can confirm that the GHG emission reductions are calculated without material misstatements. Based on the evidence and information that are considered necessary to guarantee that GHG emission reductions are appropriately calculated, CTI confirms the following statement:

Reporting period: 21/12/2016-03/03/2019

Verified GHG emission reductions and removals in the above verification period:

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)
21/12/2016-20/12/2017	103,079	0	0	103,079
21/12/2017-20/12/2018	116,975	0	0	116,975
21/12/2018-03/03/2019	17,342	0	0	17,342
Total	237,397	0	0	237,397



Ms. Lin Shunrong

Technical Leader

10/08/2021



Ms. Wang Guolian

Team Reviewer

10/08/2021

APPENDIX A: ABBREVIATIONS

CAR	Corrective Action Request
CCER	China Emission Trading System
CER	Certified Emission Reduction(s)
CL	Clarification request
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent
CTI	Shenzhen CTI International Certification Co., Ltd
DOE	Designated Operational Entity
EF	Emission Factor
ER	Emission Reduction
EU ETS	EU Emissions Trading Scheme
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
IREC	International Renewable Energy Certificates
MP	MONITORING REPORT
MR	Monitoring Report
NCPG	North China Power Grid
PD	Project Description
PP	Project Proponent
SN	Serial Number
VCS	Verified Carbon Standard
VCU	Verified Carbon Unit

APPENDIX B: REFERENCES

5.1.1. Documentation used to verify the information provided by the project proponents

/1/	CGN Carbon Asset Management (Beijing) Co., Ltd: VER/VCU Monitoring Report for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project, version 01 dated 01/04/2021, version 02 dated 10/05/2021, and 03 dated 10/08/2021
/2/	CGN Carbon Asset Management (Beijing) Co., Ltd: Emission reduction calculation spreadsheet for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project, version 1 dated 01/04/2021
/3/	CGN Wind Power Co., Ltd. and Inner Mongolia Electric Power Company.: Power Purchase Agreement for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project
/4/	CGN Wind Power Co., Ltd.：Diagram of power connection system
/5/	CGN Wind Power Co., Ltd.: VER monitoring manual and management procedure.
/6/	CGN Wind Power Co., Ltd.: Records of training for on-site staff.
/7/	CGN Wind Power Co., Ltd.: Daily operation and maintenance records, from 21/12/2016-03/03/2019
/8/	CGN Wind Power Co., Ltd.: Daily and monthly reading records of CGN Inner Mongolia Zhurihe Phase I Wind Farm Project from 21/12/2016-03/03/2019
/9/	Inner Mongolia Electric Power Company.: Monthly electricity sales receipts from 21/12/2016-03/03/2019 & Confirmation letter for readings during 21/02/2019-03/03/2019
/10/	Local Village Complaint Book
/11/	Contact information of PP posted on the bulletin board of village committee
/12/	Yearly Meeting Memos of Local Stakeholder Consultation
/13/	CGN Carbon Asset Management (Beijing) Co., Ltd: the revised CDM PDD, version 1.5 dated 12/03/2012
/14/	CGN Carbon Asset Management (Beijing) Co., Ltd: GAP VCS PD version 02 dated 24/12/2013
/15/	Inner Mongolia Autonomous Region Quality and Technical Supervision Bureau: Accreditation certificate of Electricity Measurement Inspect Centre of Inner Mongolia Electric Science

	Research Institute, issued on 02/01/2014, valid up to 01/01/2018; and issued on 02/01/2018, valid up to 01/01/2022
/16/	Accreditation certificate of Electricity Measurement Inspect Centre of Inner Mongolia Electric Science Research Institute: Calibration certificates for main meter and backup meter covering this monitoring period
/17/	Accreditation certificate of Accreditation certificate of Electricity Measurement Inspect Centre of Inner Mongolia Electric Science Research Institute: Calibration certificates for meters M1-M15 covering this monitoring period
/18/	State Economic and Trade Commission: Technical administrative code of electric energy metering (DL/T 448-2016)
/19/	Det Norske Veritas: Validation Report, version 02, dated 07/12/2009
/20/	CGN Carbon Asset Management (Beijing) Co., Ltd: VER/VCU Monitoring Report for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring period 04/03/2009-22/12/2009, version 02 dated 24/12/2013
/21/	Shenzhen CTI International Certification Co., Ltd: VCS GAP Validation and VCS Verification Report for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring period 04/03/2009-22/12/2009, version 01 dated 30/12/2013
/22/	CGN Carbon Asset Management (Beijing) Co., Ltd: CDM/CER Monitoring Reports for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring periods 23/12/2009-28/02/2011, 01/03/2011-31/05/2012, 01/06/2012-31/12/2012 and 01/01/2013-20/12/2016
/23/	Bureau Veritas Certification: CDM Verification Reports for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring period 23/12/2009-28/02/2011, version 01, dated 19/09/2012; Bureau Veritas Certification：CDM Verification Reports for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring period 01/03/2011-31/05/2012, version 01, dated 19/09/2012 ; China Building Material Test & Certification Group Co., Ltd. (CTC):CDM Verification Reports for CGN Inner Mongolia Zhurihe Phase I Wind Farm Project of previous monitoring period 01/01/2013-20/12/2016, version 02.1, dated 20/04/2018
/24/	Shenzhen CTI International Certification Co., Ltd (CTI): Validation report for renewal of crediting period for CDM project activities, version 01, dated 31/01/2019
/25/	Shenzhen CTI International Certification Co., Ltd (CTI): Validation report for renewal of crediting period for VCS project activities, version 01.0, dated 30/09/2020
/26/	Beijing Beizhong Stream Turbine Generator Co., Ltd: Nameplate of the equipment
/27/	Consultant Agreement signed between CGN Wind Power Co., Ltd. and CGN Carbon Asset

	Management (Beijing) Co., Ltd

5.1.2. Methodologies, tools and other guidance

/28/	Verified Carbon Standard: VCS Standard, version 4.1
/29/	Verified Carbon Standard: VCS Program Guide, version 4.0
/30/	Verified Carbon Standard: VCS Sectoral Scopes http://v-c-s.org/node/448
/31/	Verified Carbon Standard: Registration and Issuance Process, version 4.0
/32/	UNFCCC EB: Approved methodology, ACM0002, version 07

5.1.3. Persons interviewed

/33/	Ms. Li Meng, CDM Director, CGN Wind Power Co., Ltd. Mr. Guan Xianfeng, Engineer, CGN Wind Power Co., Ltd. Mr. Miao Baoping, Contact person, CGN Wind Power Co., Ltd. Mr. Li Chunhui, Local villager Mr. Shi Wen, Local villager Mr. Cui Wenxue, Official of Local Environment Protection Bureau Ms. Xu Xiansong, Senior Project Manager, CGN Carbon Asset Management (Beijing) Co., Ltd

APPENDIX C: CORRECTIVE ACTION REQUESTS, CLARIFICATION REQUESTS AND FORWARD ACTION REQUESTS

5.1.4. Table 1: Corrective Action Requests

CAR ID	Corrective Action Request	Response by Project Proponent	Verification Team Assessment
NA	NA	NA	NA

5.1.5. Table 2: Clarification Requests

CL ID	Clarification Request	Response by Project Proponent	Verification Team Assessment
CL 01	The calibration information of all monitoring meters is missing in the MR, thus it is requested to clarify.	The information of all electricity meters on the calibration of monitoring instruments had been updated in the MR.	OK. It has been revised and verified by CTI. Therefore, CL 01 is closed.

5.1.6. Table 3: Forward Action Requests

FAR ID	Forward Action Request	Response by Project Proponent	Verification Team Assessment
NA	NA	NA	NA