



VCS VERIFICATION REPORT OF XINJIANG JIMUNAI CGN PHASE I WIND FARM PROJECT

(VCS PROJECT ID: 1183)



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Summary:

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the verification of the

emission reductions reported for the project activity “Xinjiang Jimunai CGN Phase I Wind Farm Project ” (VCS Project ID:1183) for the monitoring period 01/01/2021–18/03/2021 within the 1st VCS crediting period 19/03/2011–18/03/2021, 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 VCS Standard Version 4.4.

The verification was performed on the basis of VCS Standard Version 4.4 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 2 CLs and 1 CAR , and no FAR is raised in this monitoring period.

In CTI’s opinion, the GHG emission reductions reported for the project in the monitoring report (version 02 dated 30/12/2022) are fairly stated. The GHG emission reductions of the period from 01/01/2021–18/03/2021 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 12.1.0), the monitoring plan contained in the registered CDM PDD (version 3.0, dated 19/08/2011) and the registered VCS PD (version 1.0 dated 20/11/2013) for the 1st VCS crediting period 01/01/2021–18/03/2021.

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 “Xinjiang Jimunai CGN Phase I Wind Farm Project ” during this monitoring period from 01/01/2021–18/03/2021 amount to 24,582 tCO₂e.

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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 “Xinjiang Jimunai CGN Phase I Wind Farm Project ” (the Project) for the monitoring period 01/01/2021–18/03/2021. 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 “Xinjiang Jimunai CGN Phase I Wind Farm Project ” for the period 01/01/2021–18/03/2021.

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 approved 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 4.2)/37/
- VCS Standard (version 4.4)/36/ and other relevant requirements defined by Verra;
- The approved methodology ACM0002 (version 12.1.0)/40/ 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. As per the para 3.9.1 of the VCS Standard Version 4.4, the project size categorization belongs to 'Project' as the expected annual emission reductions is 107,695tCO₂e lower than 300,000 tCO₂e. Therefore, according to the requirement of para 4.1.8 (4) of VCS standard Version 4.4 "The threshold for materiality with respect to the aggregate of errors, omissions and misrepresentations relative to the total reported GHG emission reductions and/or removals shall be five percent for projects and one percent for large projects", CTI applied a materiality threshold of 5% with respect to omission or misstatements concerning reported quantities of the project activity.

1.4 Summary Description of the Project

Sectoral Scope and Project Type

According to the VCS Program Guide (version 4.2)/37/ and Annex A of the Kyoto Protocol, the project is applicable under the following activity categories:

- Sectoral Scope: 1. Energy industries (Renewable/non-renewable sources)
- Project Type: Grid-connected wind power project

Project Background

The project is located at the southwest of Jimunai County, Xinjiang Uygur Autonomous Region, P.R.China. The site location's approximate coordinates are 86.0054°– 86.8443°east longitude and 47.5454°– 47.5796°north latitude. The project activity was registered as a CDM project with Ref.5289 on 28/10/2011 with the first renewable crediting period from 28/10/2011 to 27/10/2018 and the crediting period has been renewed on 02/05/2019 of which the 2nd CDM crediting period is from 28/10/2018–27/10/2025. The project has been registered as VCS project with VCS ID.1183 under VCS Standard Version 3.4 with the crediting period start date 19/03/2011 when the first wind turbine of the project started official operation as confirmed by checking the Statement on the timeline of the project/33/, CDM validation report/24/, the VCS monitoring reports and verification reports for the previous monitoring periods/25//26/.

The amount of 61,417 tCO₂e VCUs have been issued for the monitoring period 19/03/2011–27/10/2011 and the amount of 340,692 tCO₂e VCUs have been issued for the monitoring period 01/01/2017–31/12/2020 within the 1st VCS crediting period. GHG emission reductions have been applied for CDM for CERs within the 1st CDM crediting period, total 431,578 tCO₂e

CERs have been issued for the monitoring periods 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016. The CERs for the monitoring periods 28/05/2012–31/12/2012 is awaiting issuance request. So far, no CER has been issued within the 2nd CDM crediting period.

The installed capacity of the project is 49.5MW equipped with 33 sets of wind turbine generator in type of Goldwind77/1500, with unit capacity of 1500kW, manufactured by Goldwind Co., Ltd. The electricity generated by the project activity is supplied to the Northwest China Power Grid (hereafter referred to as “NWPG”), and the project is estimated to deliver 107,695 tCO₂e emission reductions 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 registered VCS PD version 1.0 dated 20/11/2013 and registered CDM PDD version 3.0 dated 19/08/2011, the applied methodology, and the VCS Standard (version 4.4) 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& Verifier	Feng Tian	1.2,8.1, 13.1, 13.2	☒ DR ☒ SV ☒ RP ☐ TR
Team Member& Verifier	Zhang Shaoyi	/	☒ DR ☒ SV ☒ RP ☐ TR
Technical Reviewer	Lin Shunrong	1.2, 3.1, 13.1, 13.2, 14.1, 15.1	☒ DR ☐ SV ☐ RP ☒ TR

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

In addition to the VER/VCU monitoring report/1/, the registered VCS PD /11/, the registered CDM PDD, emission reduction calculation spreadsheet/2/during this monitoring period, the following documents also were assessed as a part of the verification audit:

- The CDM validation report/24/;
- The previous VER/VCU monitoring reports/25/ and verification reports/26/, and previous CDM/CER monitoring reports/28/ and verification reports/29/;

- Baseline and monitoring methodology ACM0002 (version 12.1.0) applied by the project/40/;
- Relevant decisions, clarifications and guidance from the Verra/36/-/39/; 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 approved 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 26/12/2022, CTI visited the project proponent Xinjiang Jimunai CGN Wind Power Co., Ltd. to perform on-site assessment. The key personnel of the project were interviewed or assisted the verification team /41/. 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 /41/ are summarized in the table below:

Interviewed personnel	Role	Organization	Subject
Mr. He Fulin	Plant Director	Xinjiang Jimunai CGN Wind Power Co., Ltd.	Operation of the project activity; Implementation of the monitor plan of the project activity;
Mr. Yuan Jie	O&M Staff		Data collection and data achievement;
Mr. Yuan Jie	O&M Staff		Calibration of meters and equipment maintenance; The complaint by local stakeholders; The stakeholder consultation during the operation of the project activity. Project's sustainable development contributions
Mr. Ma Wanshan	Local resident	Local Village	The impact of the project activity; The complaint by local stakeholders; The stakeholder consultation during the operation of the project activity;
Mr. Liu Hegui			
Mr. Yang Weiming	Staff	Local Environment Protection Bureau	Project's sustainable development contributions.
Mr. Xing Hao	Project Manager	CGN Carbon Asset Management (Beijing) Co., Ltd.	Data collection and ER calculation.

2.4 Site Visits

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 registered 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 registered monitoring plan;
- A cross-check between information provided in the monitoring report and data from other sources such as plant logbooks and the electricity receipts;
- A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the registered VCS PD 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.

In addition, all parameters required by the monitoring methodology ACM0002 (version 12.1.0), 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 2 CLs and 1 CAR in this monitoring period. The CLs and CAR were satisfactorily addressed by the project proponents in the updated monitoring report version 02 dated 30/12/2022 (refer to Appendix D 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/26/, and no FAR was raised during this verification.

2.6 Eligibility for Validation Activities

The project has been validated by TÜV Rheinland Japan Ltd. under the CDM rules and registered as CDM project on 28/10/2011, and was registered as VCS project under VCS standard version 3.4.

CTI was accredited in Sectoral Scope 1 on validation and verification and thus is eligible for verification activities on the project. By checking the UNFCCC website, the VCS pipeline and the previous verification reports/26//27//29/, it is confirmed the verification for monitoring periods 19/03/2011–27/10/2011 under VCS and 01/01/2013–31/12/2016 under CDM are done

by CTI. Combining this monitoring period: 01/01/2021–18/03/2021, the total duration of monitoring periods verified by CTI is no more than consecutive 6 years. Therefore, the verification undertaken by CTI is in line with the requirement for VVB stipulated in Section 4.1.20 of VCS standard version 4.4.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project has been registered as a CDM project on 28/10/2011 under the UNFCCC with Ref. 5289. The first renewable crediting period is from 28/10/2011 to 27/10/2018 and the crediting period has been renewed on 02/05/2019 of which the 2nd CDM crediting period is from 28/10/2018–27/10/2025. By checking the UNFCCC website: <https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1317203879.14/view?cp=1>, it is confirmed that total 431,578tCO₂e of CERs have been issued for the monitoring periods 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016 within the 1st CDM crediting period. The CERs for the monitoring period 28/05/2012–31/12/2012 is awaiting issuance request. So far, there are no other issuance requests under CDM.

3.2 Methodology Deviations

The validation process /17/ has assessed all factors and issues that constitute the basis for emission reductions from the project according to the applicable CDM methodology ACM0002 (version 12.1.0) /40/. There was not any methodology deviation applied to this project. Details refer to section 4.1.

3.3 Project Description Deviations

By checking the previous VCS verification report /25/ and the Statement on the timeline of the Project/33/, and through the site visit interview with project owner, it is confirmed that the first wind turbine of the project started official operation on 19/03/2011 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 as VCS project 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 under VCS is updated from 19/03/2011–27/10/2011 to 19/03/2011–18/03/2021, which lasts for 10 years. Furthermore, as the project is also registered as a CDM project on 28/10/2011 with a seven year twice renewable project crediting period. Considering the project started on 19/03/2011 with a 20 years lifetime, thus, it is not eligible for the project to issue VCUs after 18/03/2031. Therefore, the project's total crediting period cannot exceed 18/03/2031.

CTI confirms that the project remains in compliance with VCS Program rules and this deviation has no impact on the applicability of the methodology, additionality or the appropriateness of the baseline scenario and meet all appropriate rules and requirements of VCS standard.

3.4 Grouped Project

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

4 VERIFICATION FINDINGS

This section summarizes the findings from the verification of the emission reductions reported for the “Xinjiang Jimunai CGN Phase I Wind Farm Project ” for the monitoring period 01/01/2021–18/03/2021.

4.1 Project Implementation Status

Project Implementation in accordance with the registered project design document

The project is a wind power grid-connected plant and locates at the southwest of Jimunai County, Xinjiang Uygur Autonomous Region, P.R.China. The geographical coordinates are verified by GPS system as 86.0054° – 86.8443° east longitude and 47.5454° – 47.5796° north latitude. The total installed capacity is 49.5MW equipped with 33 sets of wind turbine generator in type of Goldwind77/1500, with unit capacity of 1500kW. It was confirmed by checking the Statement on the timeline of the Project/33/, daily operation and maintenance records/7/, the previous monitoring reports and verification reports /25/–/29/ the first turbine was put into official operation on 19/03/2011, and the project was put into full commercial operation on 23/03/2011. The actual implementation of the project during this verification period was verified in terms of nameplates of wind turbines/30/ and the equipment purchase contract/34/. The details of the turbines with respect to their installation and capacity have been verified to be consistent with description indicated in the registered VCS PD and registered CDM PDD.

The electricity generated by the project activity is supplied to the NWPG, which can be confirmed by the Power purchase agreement (PPA) signed between Xinjiang Jimunai CGN Wind Power Co., Ltd. and Xinjiang Electric Power Company/3/. All the monitoring system in

operation period is consistent with the description in the registered 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/ and via on-site visit, CTI can confirm that no malfunction happened and the plant was under a normal operation as expected in this monitoring period.

On-site training for the related procedures including, recording and reporting was verified to be in place/6/ and their implementation was confirmed by interview with the key operators/41/ and observing the operation.

CTI confirms that the project implementation is in accordance with the project description contained in registered VCS PD. 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 registered CDM PDD.

Participation or any rejection under any other GHG programs, any other form of environmental credit or emissions trading program since validation or previous verification

By checking the UNFCCC website: <https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1317203879.14/view?cp=1>, it is confirmed that emission reductions within the monitoring periods 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016 have been issued as CERs within the 1st CDM crediting period 28/10/2018–27/10/2025. Emissions reductions for 28/05/2012–31/12/2012 is awaiting issuance request under CDM and there are no other issuance requests under CDM.

Therefore, it is concluded no double counting issuance has occurred for this verified monitoring period 01/01/2021–18/03/2021 under both VCS and CDM programmes. Via the on-site interview, and checking the Statement on no double counting made by PP/35/ it is

confirmed that the emission reductions for this verified period are only requested for VCU issuance.

The verification team has also checked other GHGs programs and forms of credit such as exchange platform of Chinese Certified Emission Reduction(CCER) projects, Gold Standard, EU ETS, IREC, China ETS and based on the interview with the project proponent, during this monitoring period, 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 emission trading program and form of environmental credit, or has become eligible to do so since validation or previous verification.

The project is completely voluntary CDM and VCS project, not included in an emissions trading program or any other mechanism that includes GHG allowance trading. Although the national emission trading scheme has been launched since 16/07/2021, it only covers the high-emission and energy intensive industries that emit at least 26,000 tonnes of CO₂e/year as per the regulation/20/ including thermal power generation, petrochemical, chemical, building materials, iron and steel, etc. By checking the business license/15/ of the project proponent, it is confirmed that the PP is qualified in business scope of renewable energy investment, thus is not included the mandatory emission control scheme and there is no emission cap enforced for the PP by further checking the compulsive company list under China ETS in public information/21/. Moreover, it is confirmed by CTI the project is not registered as a CCER project in China, the emission reductions generated by the project activity are not eligible for transaction under China ETS as per the regulation/20/. Also, CCER mechanism has been suspended by Chinese government since 2017, the project

activity will not and is not allowed to register under CCER mechanism. Thus, the assessment team concluded that the project activity not involved on other emissions trading programs and other binding limits.

The Statement on no double counting/35/ submitted by PP was checked by the verification team and confirmed to be correct in terms of the regulations and database of CCER and China ETS.

SD contributions resulted by implementation of the project activity

Via the on-site inspection, and through the interviews with the project proponent, local villagers and official from local environment bureau, and by checking the evidences provided by the project proponent, the verification team agrees on the following points regarding to the promotion of sustainability development by the project activity:

- SDG 7, Indicator 7.2 Renewable energy supplied to the power grid.

The project provides clean and renewable energy through making use of wind power, displacing fossil fuel power in the grid NWPG. During this monitoring period, 26,779.720 MWh of net electricity generated by wind energy was delivered to the NWPG. It is verified by checking the daily and monthly reading records/8/ and via on-site inspection. This contributes to increasing the share of clean energy consumption of China's "Action Plan for Carbon Dioxide Peaking Before 2030".

- SDG 8, Indicator Numbers of decent work opportunities provided which has income higher than local average level.

It is verified by interviewing with project proponent, staff and local villagers and checking the Statement on the annual income of employees in 2021 /22/ and Per capita disposable income of residents in Xinjiang Autonomous Region in 2021 /23/ that the project activity

provides 22 long-term job opportunities for local residents and provides salary of 60,000 RMB/year in 2021 which is 130% higher than the per capita disposable income of Xinjiang Uygur Autonomous Region in 2021 /23/. Hence, the contribution to this SDG has been confirmed and the provisions for monitoring and reporting this goal is verified as reasonable. This also contributes to one of the China's actions for promoting sustainable developing, "Increase labor force participation rate through implementation of the classification policy. Vigorously enforce the Law on Promotion of Employment".

- SDG 13, Indicator Tonnes of greenhouse gas emissions avoided or removed.

As verified by on-site inspection, and via checking the emission reduction calculation sheet/2/ and the daily and monthly reading records/8/, 24,582 tCO₂e GHG emission reductions are generated by the project activity during this monitoring period. This contributes to achieve one of China's stated sustainable development priorities "Actively adapt to climate change and strengthen resistance capacity to climate risks in agriculture, forestry, water resources and other key fields, as well as cities, coastal regions and ecologically vulnerable areas".

Meanwhile, this is the first time to report sustainable development contributions of the project. Therefore, the information for the project lifetime and the current monitoring period are the same as per VCS requirement.

In conclusion, Verification Team was able to confirm that the project implementation is in accordance with the project description contained in the VCS PD. All required equipments and procedures are available and implemented in an appropriate manner. All necessary monitoring instruments are installed and operated. The project is completely operational and the same has been confirmed on-site. Neither mistakes nor malfunction on main meters have been observed during this monitoring period.

4.2 Safeguards

4.2.1 No Net Harm

Via on-site inspection and checking the EIA summary and conclusion provided in the registered CDM PDD, it is confirmed that the impact caused by the project activity 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. Appropriate mitigation measures have been undertaken by the project proponent to avoid the potential impacts during the construction and operation. The EIA of the project are approved by the government.

Also, no potential environment or social economic matter was found during the site visit. It is verified by interviewing with project proponent, staff and local villagers and checking the Statement on the annual income of employees in 2021 /22/ and Per capita disposable income of residents in Xinjiang Uygur Autonomous Region in 2021/23/, that the project has contributed to the local employment and improved income levels by providing job opportunities and offering permanent employees wages well above local average income levels. As stated by the plant staff during the on-site interviews, they have gained knowledge and skills in the regular training organized by the project proponent, so it can be judged that the project has, to some extent, improved the marketability of the employees as well as the possibility of lifelong learning for them.

In conclusion, the implementation of the project activity does not cause any significant negative environmental or socio-economic impacts and is beneficial to the local socio-economic environment.

4.2.2 Local Stakeholder Consultation

The local stakeholder's meeting was held on 30/06/2010 attended by the meeting including local residents, builders and members of the local authorities. The project owner introduced the proposed project, and then a survey was arranged through a questionnaire. 40 copies of questionnaire were distributed, and 38 pieces of reply were received. The recovery ratio is 95%. The opinions expressed by the stakeholders were recorded and are available on request.

The stakeholder meeting and 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.

For continuous communication with local stakeholders, the project owner has set bulletin board on the village committee and stakeholder's comments can be recorded in the village committee's complaint book, or they can communicate and give feedback directly to the project proponent at any time through the published phone number of contact person. Besides, the stakeholder can raise comments and suggestions to the contact person of project owner through the meeting annually. Via checking the village committee's complaint book and communicating with contact person during on-site visit, it is confirmed by the verification team that no negative comments were received. Through interviewing with staff from local environmental protection bureau and local residents during the site visit, it is confirmed by the verification team that during the implementation stage of this monitoring period, local authority has conducted spot checks on the implementation of the project periodically as per the request from the local governments' regulations, no negative comments and issues from the local stakeholders during this monitoring period were identified and the project passed all the periodic spot checks by local government.

All such conclusion has been verified through site visit and checking VCS PD.

4.3 AFOLU-Specific Safeguards

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

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

Compliance of monitoring plan with monitoring methodology

CTI is able to confirm that the monitoring plan approved by EB on 19/08/2011 is in accordance with the approved methodology applied by the project activity, i.e. ACM0002 (version 12.1.0).

Compliance of monitoring with the monitoring plan

The monitoring has been carried out in accordance with the monitoring plan, through the site visit interview with project owner, physically checking the power connection system, CTI confirms that all the parameters stated in the monitoring plan are monitored and reported appropriately. Parameters required to be monitored by the monitoring plan as per the monitoring methodology ACM0002 (version 12.1.0) 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, recording, aggregation, calculation and reporting) for these parameters is provided. The information flow for each parameter is further verified in the following sections.

Parameters fixed ex ante

“Data and parameters fixed ex ante” in the MR are checked against the registered PDD. The parameter EF_y is the combined emission factor of the grid, which was determined ex-ante at

the validation stage and has been fixed during the first crediting period. CTI verified and confirms that the emission factor used in the monitoring report is in compliance with the registered PDD. Other ex-ante parameters (i.e. $EF_{grid,OM,y}$, $EF_{grid,BM,y}$, $FC_{i,m,y}$, $NCV_{i,y}$, $EF_{CO2,i,y}$) were used to calculate the parameter $EF_{grid,CM,y}$ in the registered PDD, which were validated in the validation process. CTI verified and confirms that the emission factor used in the monitoring report is in compliance with the registered 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;
- A cross-check between information provided in the monitoring report and data from other sources such as plant logbooks and receipts for electricity sales;
- 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 monitoring plan and the actual monitoring undergoing during this monitoring period, the parameters to be monitored are as below:

$EG_{facility,y}$

Quantity of net electricity generation supplied to the grid by the

Project in year y

$EG_{\text{export},y}$

Electricity supplied to the grid by the project in year y

$EG_{\text{import},y}$

Electricity purchased from the grid by the project in year y

$EG_{\text{im-backup},y}$

Electricity imported from the grid by the Project through the backup power line in the year y

Monitored parameter $EG_{\text{facility},y}$, $EG_{\text{export},y}$, $EG_{\text{import},y}$ and $EG_{\text{im-backup},y}$

$EG_{\text{Facility},y}$ is the net electricity delivered to the grid by the project and is calculated as the Electricity supplied to the grid by the project ($EG_{\text{export},y}$) minus electricity purchased from the grid by the project ($EG_{\text{import},y}$) and the electricity imported from the grid by the Project through the backup power line ($EG_{\text{im-backup},y}$), which is as the equation below:

$$EG_{\text{facility},y} = EG_{\text{export},y} - EG_{\text{import},y} - EG_{\text{im-backup},y}$$

By site inspection and checking the monitoring plan and previous verification reports, CTI confirmed electricity exported to and imported from the mainline are continuously measured by Main meter (M1) and the backup meter (M2). The main meter (M1) and backup meter (M2) are equipped at the high pressure site (110kV) of the 35/110kV on-site substation of the Project with an accuracy level of 0.2S. M1 is used in normal situation as M2 is used as a reference to determine the electricity exports and imports in case that M1 is out of work. A backup power line is used for importing electricity in emergent case. The meter (M3) is installed to measure the electricity imported via this line with an accuracy level of 0.5s.

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 installed

in accordance with the monitoring plan. All the monitoring facilities and system have been verified by CTI during on-site visit.

By checking daily operation and maintenance records /7/ and via on-site visit, it is confirmed that all meters were working well during this monitoring period. Via the on-site interview and by checking the daily operation and maintenance records/7/, monthly and daily reading records/8/ and receipts for electricity sales/9/ issued by grid company, it is confirmed by the verification team that the electricity is continuously measured by M1–M3. Readings of M1 and M2 are daily recorded and monthly aggregated by PP. The cut-off time of electricity exports and imports is at 24:00 on the last day of every month. After confirmed by both sides the receipts for electricity sales/9/ were issued by the grid company and have been used for cross-checking the records of electricity exports and imports.

Readings of M3 are monitored by the local grid company. By checking the statement issued by the grid company/32/, it is confirmed that there is no electricity was imported via the 35KV backup line during this monitoring period from 01/01/2021 to 18/03/2021.

As described above, the meters have been installed in accordance with VCS Program rules and meet all appropriate rules and requirements of VCS standard. CTI has on-site checked the location of the meters against the diagram of power connection system and found them to be consistent.

Data in the daily and monthly reading records were used to the report, through a cross check with receipts for electricity sales and Grid company's statement. The conservative values were used for the monitoring report and ERs calculation spreadsheet, which has been verified by the verification team. Supporting references and data required to

determine the quantity of net electricity generation supplied by the project is found to be complete and transparent.

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 registered PDD and the methodology ACM0002 (version 12.1.0) 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:

Item	M1	M2	M3
Type	DTSD718	DTSD718	DSZ188
Accuracy	0.2S	0.2S	0.5S
Serial No.	800000287822	800000287824	01000002217676
Calibration frequency	Annually	Annually	Annually
Calibration date	30/05/2020	30/05/2020	15/10/2020
Calibration validity	29/05/2021	29/05/2021	14/10/2021
Calibration entity	Xinjiang Electric Power Research Institute		

Calibration records and accreditation certificates/13//14/ have been verified by the verification team. The actual accuracy verified to be 0.2S for M1–M2 and 0.5S for M3 which is in compliance with the requirement in the monitoring plan and in compliance with the Technical administrative code of electric energy metering /16/. The calibration frequency of meters is annual, which is consistent with the monitoring plan. Based on the site visit and by checking the calibration reports, 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.

Data management and control

Xinjiang Jimunai 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 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/41/ 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 and the monitoring was performed in a transparent and comprehensive manner during this monitoring period.

Emission reduction calculation

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:

$$ER_y = BE_y - PE_y - L_y$$

Baseline emissions

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

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

Combined margin CO₂ 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 CDM PDD as 0.9180 tCO₂e/MWh.

The net electricity supplied to the grid by the project ($EG_{facility,y}$)

As per the Section 4.1 above, $EG_{\text{facility},y}$ is equal to the electricity exported to minus the imported from the grid through the main line ($EG_{\text{import},y}$) and the back-up line ($EG_{\text{im-backup},y}$), i.e.

$$EG_{\text{facility},y} = EG_{\text{export},y} - EG_{\text{import},y} - EG_{\text{im-backup},y}$$

The verification team has checked the daily and monthly reading records/8/, electricity sales receipts, confirmation letter /9/ and statement /32/ issued by the grid company and emission reduction calculation sheet/2/, and confirmed the data and calculation applied are correct, complete and transparent. The reading records and $EG_{\text{facility},y}$ calculation are summarized in Table 1 as follow:

Table 1 The net electricity supplied to the grid by the Project ($EG_{\text{facility},y}$)

Year	Month and date	Reading records of $EG_{\text{export},y}$ from main meter M1 (MWh)	Values of $EG_{\text{export},y}$ from Receipts (MWh)	Conservative values of $EG_{\text{export},y}$ (MWh)	Reading records of $EG_{\text{import},y}$ from main meter M1 (MWh)	Values of $EG_{\text{import},y}$ from Receipts (MWh)	Conservative values $EG_{\text{import},y}$ (MWh)	$EG_{\text{im-backup},y}$ (MWh)	$EG_{\text{facility},y} = EG_{\text{export},y} - EG_{\text{import},y} - EG_{\text{im-backup},y}$ (MWh)
2021	–	A	B	C=min(A,B)	D	E	F=max(D,E)	G	H=F–C–G
	01/01~31/01	10,256.400	10,256.400	10,256.400	18.920	18.920	18.920	0.000	10,237.480
	01/02~28/02	9,143.200	9,143.200	9,143.200	24.640	24.640	24.640	0.000	9,118.560
	01/03~18/03	7,436.000	7,436.000	7,436.000	12.320	12.320	12.320	0.000	7,423.680
	Total	–	–	26,835.600	–	–	55.880	0.000	26,779.720

*Note:

1. $EG_{\text{export},y}$ and $EG_{\text{import},y}$ measured by M1 were daily recorded and monthly aggregated by project proponent. During this monitoring period, the cut-off time for electricity exports and imports measured by M1 was at 24:00 on the last day of each month, and electricity sales receipts were issued by grid company for the cross check. Most conservative values are applied for baseline calculations.
2. Readings for $EG_{\text{export},y}$ and $EG_{\text{import},y}$ during 01/03/2021 – 18/03/2021 is sourced from the daily reading records and is confirmed to be correct by cross-checking with the confirmation letter /9/ issued by the grid company.
3. Via checking the statement /32/ issued by the grid company, CTI confirmed that during this monitoring period from 01/01/2021 to 18/03/2021, no electricity was imported via the 35KV backup line.

The corresponding baseline emissions during this monitoring period is calculated as:

Year	$EG_{\text{facility},y}$ (MWh)	$EF_{\text{grid},CM,y}$ (tCO ₂ /MWh)	BE_y (tCO ₂)
2021 (01/01/2021–18/03/2021)	26,779.720	0.9180	24,582
Total	26,779.720	–	24,582

Project emissions

As statement in the registered CDM PDD, for the wind power activities, the project emissions from the project is zero. Hence, PE_y during the monitoring period from Xinjiang Jimunai CGN Phase I Wind Farm Project is zero.

Leakages

Leakage does not need to be accounted for this project as per the monitoring methodology ACM0002 (version 12.1.0).

Emission reductions

The emission reductions for this monitoring period were calculated as:

Monitoring period	GHG emission reductions or removals (tCO _{2,e})
01/01/2021 – 18/03/2021	24,582
Total ERs claimed (in 77 days)	24,582

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

The assessment of each parameter related to calculate the GHG emission reductions is justified in Sections 4.1 and 4.4 above. Via the on-site inspection and desk review, the verification team verified the supporting evidence provided by the project proponent as listed in Appendix B used to determine the GHG emission reductions

For each reported data, the evidence is provided and verified as sufficient and quality is appropriate. Also, the cross-checks have been performed on the reported data with different source of evidence. The information flow from data generation and aggregation, to recording, calculation and final transposition into the monitoring report has been assessed by VVB in Section 4.4. Moreover, the calibration is verified as stated in Section 4.1 via on-site inspection with evidences to confirm the meters' location, accuracy and calibration frequency are in line with requirement of the monitoring plan.

Therefore, it is concluded that the evidence provided are verified as sufficient and quality is appropriate and thus the evidence can be used to determine the GHG emission reductions and removals for this monitoring period.

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 “Xinjiang Jimunai CGN Phase I Wind Farm Project ” in China (VCS Project ID: 1183) for the period 01/01/2021–18/03/2021.

The verification is based on the baseline and monitoring methodology ACM0002 (version 12.1.0), the VCS PD. 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 approved 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 Standard Version 4.4 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 registered VCS PD;
- the approved monitoring plan is as per the applied methodology;
- the monitoring complies with the monitoring plan;

- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS Standard Version 4.4 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.
- the project deviation is appropriately described and justified; the deviation was verified by the verification team as valid, and the project remains in compliance with the VCS rules.

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 "Xinjiang Jimunai CGN Phase I Wind Farm Project " for the period 01/01/2021–18/03/2021 are fairly stated in the monitoring report (version 02 dated 30/12/2022). The GHG emission reductions were calculated correctly on the basis of the approved methodology ACM0002 (version 12.1.0) and the registered CDM PDD.

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: 01/01/2021–18/03/2021

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

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
2021 (01/01/2021–18/03/2021)	24,582	0	0	24,582
Total	24,582	0	0	24,582

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

<u>Ex-ante</u>	<u>Achieved</u>	<u>Percent</u>	<u>Justification for the difference</u>
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<u><i>emissions reduction s/removals</i></u>	<u><i>emissions reduction s/removals</i></u>	<u><i>difference</i></u>	
22,719 tCO₂e	24,582 tCO ₂ e	+8.20%	The increase in the actual achieved ERs is due to that the wind speed during this monitoring period is higher than the estimated annual average value in the registered PDD and FSR. Via the on-site interview and by checking the FSR /31/ of the project, CTI confirmed that the monthly average wind speed of the wind farm area from January to March is higher than the annual average value. Thus, the higher achieved ERs during this monitoring period is confirmed to be reasonable. Furthermore, by checking the sensitivity analysis in the registered PDD, when the actual annual power supply increases by 10.45%, the project IRR would reach the benchmark of 8%. The actual power supply during this monitoring period is 8.20% higher than the estimation in the registered PDD which is below 10.45%, therefore, it is confirmed that the increase in the power supply does not impact the additionality of the project.

Feng Tian

Mr.Feng Tian

Technical Leader

02-February-2023

Shunrong Lin

Ms. Lin Shunrong

Team Reviewer

02-February-2023

APPENDIX A: ABBREVIATIONS

CAR	Corrective Action Request
CCER	Chinese Certified Emission Reduction
CER	Certified Emission Reduction(s)
CL	Clarification request
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
CTI	Shenzhen CTI International Certification Co., Ltd
DOE	Designated Operational Entity
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reduction
EU ETS	EU Emissions Trading Scheme
FAR	Forward Action Request
FSR	Feasibility Study Report
GHG	Greenhouse Gas(es)
IREC	International Renewable Energy Certificates

MR	Monitoring Report
NWPG	Northwest China Power Grid
PD	Project Description
PP	Project Proponent
PPA	Power purchase agreement
SN	Serial Number
VCS	Verified Carbon Standard
VCU	Verified Carbon Unit

APPENDIX B: REFERENCES

Documentation used to verify the information provided by the project proponents

/1/	CGN Carbon Asset Management (Beijing) Co., Ltd.: VER/VCU Monitoring Report for Xinjiang Jimunai CGN Phase I Wind Farm Project , version 01 dated 07/11/2022, version 02 dated 30/12/2022
/2/	CGN Carbon Asset Management (Beijing) Co., Ltd.: Emission reduction calculation spreadsheet for Xinjiang Jimunai CGN Phase I Wind Farm Project , version 2.0 dated 30/12/2022
/3/	Xinjiang Jimunai CGN Wind Power Co., Ltd. and Xinjiang Electric Power Company: Power Purchase Agreement for Xinjiang Jimunai CGN Phase I Wind Farm Project
/4/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Diagram of power connection system
/5/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: VER monitoring manual and management procedure.
/6/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Records of training for on-site staff.
/7/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Daily operation and maintenance records.
/8/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Monthly and daily reading records

	of Xinjiang Jimunai CGN Phase I Wind Farm Project from 01/01/2021–18/03/2021
/9/	Xinjiang Electric Power Company.: Receipts for electricity sales from 01/01/2021–18/03/2021 & Confirmation letter for electricity readings issued by the grid company
/10/	Questionnaires filled by local stakeholders
/11/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Registered VSC PD (version 1.0 dated 20/11/2013)
/12/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Registered CDM PDD (version 3.0 dated 19/08/2011)
/13/	Xinjiang Uygur Autonomous Region Quality and Technical Supervision Bureau: Accreditation certificates of Xinjiang Electric Power Research Institute, issued on 10/04/2018 and valid to 09/04/2023
/14/	Xinjiang Electric Power Research Institute: Calibration certificates for meters M1, M2 and M3 covering this monitoring period
/15/	Business license of Xinjiang Jimunai CGN Wind Power Co., Ltd.
/16/	State Economic and Trade Commission: Technical administrative code of electric energy metering (DL/T 448–2016)
/17/	UNFCCC, http://cdm.unfccc.int
/18/	Gold Standard, http://www.goldstandard.org/
/19/	China CCER Exchange Info–platform, http://cdm.ccchina.org.cn/ccer.aspx

/20/	Measures for the Administration of Carbon Emission Trading, issued by Ministry of Ecology and Environment of China, dated 31/12/2020
/21/	Enforced company list in China cap & trade scheme, issued by Ministry of Ecology and Environment of China
/22/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Statement on the annual income of employees on 2021.
/23/	Per capita disposable income of residents in Xinjiang Uygur Autonomous Region in 2021 http://tjj.xinjiang.gov.cn/tjj/tjgn/202203/7ab304445f174a7eb1f5165be4f94041.shtml
/24/	TÜV Rheinland Japan Ltd.: CDM Validation Report, version 04, dated 14/09/2011
/25/	VER/VCU Monitoring Reports for Xinjiang Jimunai CGN Phase I Wind Farm Project of previous monitoring periods 19/03/2011–27/10/2011 and 01/01/2017–31/12/2020
/26/	VCS Verification Reports for Xinjiang Jimunai CGN Phase I Wind Farm Project of previous monitoring periods 19/03/2011–27/10/2011 and 01/01/2017–31/12/2020
/27/	CDM Verification Reports for Xinjiang Jimunai CGN Phase I Wind Farm Project of previous monitoring periods: 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016

/28/	CDM/CER Monitoring Reports for Xinjiang Jimunai CGN Phase I Wind Farm Project of previous CDM monitoring periods 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016
/29/	CDM Verification Reports for Xinjiang Jimunai CGN Phase I Wind Farm Project of previous monitoring period 28/10/2011–27/05/2012 and 01/01/2013–31/12/2016
/30/	Goldwind Co., Ltd.: Nameplates of the equipment
/31/	Feasibility Study Report of Xinjiang Jimunai CGN Phase I Wind Farm Project
/32/	Xinjiang Electric Power Company: Statement on no electricity imported from 35kV backup line
/33/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Statement on the timeline of the Project
/34/	Co-signed by the Goldwind Co., Ltd. and Xinjiang Jimunai CGN Wind Power Co., Ltd.: Wind Turbines Purchase Agreement
/35/	Xinjiang Jimunai CGN Wind Power Co., Ltd.: Statement on no double counting

Methodologies, tools and other guidance

/36/	Verified Carbon Standard: VCS Standard, version 4.4
/37/	Verified Carbon Standard: VCS Program Guide, version 4.2
/38/	Verified Carbon Standard: VCS Sectoral Scopes http://v-c-s.org/node/448

/39/	Verified Carbon Standard: Registration and Issuance Process, version 4.2
/40/	UNFCCC EB: Approved methodology, ACM0002 , version 12.1.0

Persons interviewed

	Interviewed personnel	Role	Organization
/41/	Mr. He Fulin	Plant Director	Xinjiang Jimunai CGN Wind Power Co., Ltd.
	Mr. Yuan Jie	O&M Staff	
	Mr. Yuan Jie	O&M Staff	
	Mr. Ma Wanshan	Local resident	Local Village
	Mr. Liu Hegui		
	Mr. Yang Weiming	Staff	Local Environment Protection Bureau
	Mr. Xing Hao	Project Manager	CGN Carbon Asset Management (Beijing) Co., Ltd.

APPENDIX C: COMPETENCE OF TEAM MEMBERS AND TECHNICAL REVIEWERS

Mr. Tian FENG

Satisfies the requirements of competence management system of CTI Certification, and is hereby appointed as:

Qualification					
GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
√	√	√	√	–	–

Scope	Technical Area
SS 1: Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources
SS 8: Mining/mineral production	TA8.1: Mining/mineral production
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater
	TA 13.2: Manure

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:

Wu Lin

Wu LIN

Technical Competent Manager

Shenzhen, 25/10/2022

Ms. Shunrong LIN

Satisfies the requirements of competence management system of CTI Certification, and is hereby appointed as:

Qualification					
GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
√	√	√	√	√	√

Scope	Technical Area
SS1: Energy industries (renewable/non-renewable sources)	TA1.2: Energy generation from renewable energy sources
SS 3: Energy demand	TA 3.1: Energy demand
SS 13: Waste handling and disposal	TA13.1: Solid waste and wastewater
	TA 13.2: Manure
SS 14: Afforestation and reforestation	TA14.1: Afforestation and reforestation
SS 15: Agriculture	TA15.1: Agriculture

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: *Wu Lin*

Wu LIN

Technical Competent Manager

Shenzhen, 25/10/2022

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

Table 1: Corrective Action Requests

CAR ID	Corrective Action Request	Response by Project Proponent	Verification Team Assessment
CAR 01	Whether the project reduces GHG emissions from activities that are included in an emissions trading program or any other mechanism that includes GHG allowance trading is not discussed in line with the VCS requirement.	The additional discussion of whether the project is involved in other GHG emissions trading program or mechanism has been updated.	OK. It has been revised and verified by CTI by checking updated MR. Therefore, CAR 01 is closed.

Table 2: Clarification Requests

CL ID	Clarification Request	Response by Project Proponent	Verification Team Assessment
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CL 01	CL 01 was raised to specify the mechanism for on-going communication with local stakeholders as per MR template v4.2.	The additional description of the mechanism for on-going communication with local stakeholders has been updated.	OK. It has been revised and verified by CTI by checking updated MR. Therefore, CL 01 is closed.
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CL ID	Clarification Request	Response by Project Proponent	Verification Team Assessment
CL 02	As the actual achieved ERs are higher than the ex-ante values, PP is requested to further demonstrate the cause of the increased ERs and whether the higher achieved ERs impacts the additionality of the project.	The additional explanation of the increased ERs and its impact on the additionality has been updated.	OK. It has been revised and verified by CTI by checking updated MR. Therefore, CL 02 is closed.

Table 3: Forward Action Requests

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