



VCS VERIFICATION REPORT OF HEBEI GUYUAN COUNTY DONGXINYING 199.5 MW WIND POWER PROJECT



Document Prepared By CTI Certification Co., Ltd

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Prepared By	CTI 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.com/certification	
Approved By	Zhou Lu	
Work Carried Out By	Team Leader: Tong Dezheng	
	Technical Reviewer: Lin Shunrong	
	TR Member: Feng Tian	

Summary:

CTI Certification Co., Ltd (CTI Certification) has performed the verification of the emission reductions reported for the project activity “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” (VCS Project ID: 903) for the monitoring period 01/06/2022 to 31/05/2023, 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 4.5.

The verification was performed on the basis of VCS Program Guide version 4.4 and VCS Standard version 4.5 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 1 CAR, 0 CL and 0 FAR in this monitoring period.

In CTI’s opinion, the GHG emission reductions reported for the project in the monitoring report (version 2.0 dated 31/08/2023) are fairly stated. The GHG emission reductions of the monitoring period were calculated correctly on the basis of approved methodology ACM0002 “Consolidated methodology for grid-connected electricity generation from renewable sources” (Version 20.0).

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 “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” during the period amount to 353,662 tCO₂e.

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1 INTRODUCTION

Demeter Venture Uk Limited has commissioned CTI Certification Co., Ltd (CTI) to carry out the verification and certification of emission reductions reported for the “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” (the project) for the period 01/06/2022 to 31/05/2023. 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 “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” for the period 01/06/2022 to 31/05/2023.

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 4.4) /28/
- VCS Standard (version 4.5) /27/ and other relevant requirements defined by VERRA;
- The approved methodology ACM0002 (Version 20.0) /30/ 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 1% (for projects with emission reductions greater than 300,000 tCO₂e per year) with respect to emission or misstatements concerning reported quantities as per para 3.10.1 and 4.1.10 of VCS Standard, v4.5.

1.4 Summary Description of the Project

Sectoral Scope and Project Type

According to the VCS Program Guide (version 4.4) /27/, the project is applicable under the following activity categories:

- Sectoral Scope: 1. Energy (Renewable/non-renewable).

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

Project Background

Project title:	Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project
Project proponent:	Hebei Construction Investment New Energy Co., Ltd. (China)
Project location:	the south of Guyuan County, Zhangjiakou City of Hebei Province, P.R. China
VCS Project ID:	903
Applied methodology:	ACM0002 Version 20.0
VCS project crediting period:	25/05/2010 to 24/05/2020 (the 1 st VCS crediting period) 25/05/2020 to 24/05/2030 (the 2 nd VCS crediting period)
VCU verification period:	01/06/2022 to 31/05/2023

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 renewed VCS PD, the applied methodology, and the VCS Standard (version 4.5) 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	Tong Dezheng	1.2, 8.1, 10.1	☒ DR ☒ SV ☒ RP ☐ TR
Team member	Yi Hanxing	-	☒ DR ☒ SV ☒ RP ☐ TR
Technical Reviewer	Lin Shunrong	1.2, 3.1, 13.1, 13.2, 14.1, 15.1	☒ DR ☐ SV ☐ RP ☒ TR
TR Member	Feng Tian	1.2, 8.1, 13.1, 13.2	☒ DR ☐ SV ☐ RP ☒ TR

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

In addition to the monitoring report /1/, emission reduction calculation spreadsheet /2/, the following documents also were assessed as a part of the verification audit:

- Approved CDM PDD (version 7.0 dated 27/07/2012) /16/;
- Validation Report of registered CDM PDD (Version 04.3 dated 15/09/2011) /17/;
- Validation opinion on changes in CDM PDD /18/;
- Registered VCS PD (version 03 dated 24/07/2012) /14/;
- Renewed VCS PD (version 2.0 dated 15/06/2021) /19/;
- Validation Report of renewed VCS PD (version 01.1 dated 14/09/2021) /23/;
- Monitoring report of previous monitoring period 01/12/2021 to 31/05/2022 /20/;
- Verification report of previous monitoring period 01/12/2021 to 31/05/2022 /21/;
- Baseline and monitoring methodology ACM0002 applied by the project /30/;
- Relevant decisions, clarifications and guidance from the VERRA /27/-/29/; 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 05/08/2023, CTI visited Hebei Construction Investment New Energy Co., Ltd. performed on-site assessment. The key personnel of the project were interviewed or assisted the verification team. 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 are summarized in the table below:

Interviewed personnel	Role	Organization	Subject
Mr. Wang Peng	Specialist Engineer	Dongxinying 199.5 MW Wind Power Plant	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; The on-going local stakeholder consultation; Project's sustainable development contributions
Ms. Zhao Yu	Villager	Local resident	The impact of the project activity; The complaint by local stakeholders;
Mr. Li Mingyuan	Villager		
Mr. Liu Yifei	Villager		
Mr. Wu Xiaqi	Staff	Guyuan County Environment Protection Bureau	The stakeholder consultation during the operation of the project activity.
Mr. Lv Bingnan	Project Manager	Hebei Construction Investment New Energy Co., Ltd	Data collection and ER calculation.
Ms. Zhang Ling	Project Manager		
Mr. Song Dong	Project Manager		

2.4 Site Visits

The verification team performed the on-site verification (the south of Guyuan County, Zhangjiakou City of Hebei Province, P.R. China) on 05/08/2023. The interviewed personnel and objective are listed in

above table. 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 renewed VCS PD (version 2.0 dated 15/06/2021);
- 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 renewed VCS PD (version 2.0 dated 15/06/2021);
- A cross-check between information provided in the monitoring report and data from other sources such as plant logbooks and electricity sale receipts;
- A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the renewed VCS PD (version 2.0 dated 15/06/2021) 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 Hebei Construction Investment New Energy 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 20.0), 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 1 CAR, 0 CL and 0 FAR in this monitoring period.

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

By checking UNFCCC website, it was verified the registered CDM PDD was validated by TÜV Rheinland Japan Ltd. on 15/09/2011 /17/, the revised monitoring plan contained in the approved CDM PDD was validated by Bureau Veritas Certification Holding SAS on 20/08/2012 /18/. 3 periodic verifications were carried out by Bureau Veritas Certification Holding SAS on 20/09/2012, by DNV KEMA Energy & Sustainability Accredited Climate Change Services on 26/11/2012, and by China Classification Society Certification Company (CCSC) on 12/06/2016 under CDM scheme.

By checking VERRA website, it was verified the renewed VCS PD of the project activity was validated by LGAI Technological Center, S.A. (Applus+ Certification) on 10/05/2022 /23/. The previous VCS verification for the monitoring period from 01/12/2021 to 31/05/2022 was carried out by LGAI Technological Center, S.A. (Applus+ Certification) on /20//21/. The proposed VCS monitoring period 01/06/2022 to 31/05/2023 is 5th VCS verification, CTI just undertook verification activities for the project according to the VCS Program Guide. This section is thus not applicable.

As per 4.1.27 of VCS Standard version 4.5, a validation/verification body shall not verify more than six consecutive years of a project's GHG emission reductions or removals. CTI did not conducted verification in six consecutive years. Therefore, it was verified 4.1.27 of VCS Standard version 4.5 are satisfied. This section is thus not applicable.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

CTI checked public information from the UNFCCC website (<https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1306303373.74/view>), REC Mechanism database of China, Chinese Emission Trading System, Gold Standard Registry and interviewed with project owner during site visit, it is confirmed that the project has been registered as CDM project activity on 15/09/2011 with reference No. 4853, except VCS and CDM scheme, the project has not been participated or been rejected under any other GHG programs since validation. The same has been confirmed through interviewing with project owner.

3.2 Methodology Deviations

The validation process /23/ has assessed all factors and issues that constitute the basis for emission reductions from the project according to the applicable CDM methodology ACM0002 (Version 20.0) /30/. There was not any methodology deviation applied to this project. Details refer to section 4.1.

3.3 Project Description Deviations

By checking Monitoring Report /20/ and Verification Report /21/ of previous monitoring period, it was verified a project deviation about VCS crediting period has been applied by PP and approved by VERRA. The 1st VCS crediting period of the project was determined as 25/05/2010 to 24/05/2020 and the 2nd VCS crediting period of the project was determined as 25/05/2020 to 24/05/2030.

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.

No project description deviations were identified for this monitoring period. The same has been confirmed during site visit.

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 “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” for the period 01/06/2022 to 31/05/2023.

4.1 Project Implementation Status

Project Implementation in accordance with the registered project design document

The project is a grid-connected wind power plant, which is located in the south of Guyuan County, Zhangjiakou City of Hebei Province, P.R.China. The project activity installed 133 sets of 1.5 MW wind turbine-generator with a total installed capacity 199.5 MW. The average annual power delivered to the grid by the project is expected to be 405,685 MWh. The actual implementation of the project during this monitoring period was verified in terms of name plate capacities of each wind turbine and monitoring equipment. The details of the wind turbines with respect to installation and capacity have been verified to be consistent with description indicated in the approved CDM PDD and renewed VCS PD. The commissioning start date of first wind turbine was 25/05/2010 and the commissioning start

date of all wind turbines was 06/10/2010, which was verified by site visit interview, checking verification report of previous monitoring period /21/. The electricity generated by the project activity was supplied to the North China Power Grid (NCPG), which can be confirmed by the Power Purchase Agreement (PPA) signed between Hebei Construction Investment New Energy Co., Ltd. and State Grid Hebei Electric Power Company /3/. The proposed monitoring period (01/06/2022 to 31/05/2023) is within 2nd VCS crediting period from 25/05/2020 to 24/05/2030.

The technical parameters have been verified with the nameplates /10/ as below:

Parameter		Value
Type of turbine	/	FD77B
Type of generator	/	double-fed asynchronous motor
Nominal output	kW	1500
Rotor Diameter	m	77
Hub height	m	61.5
Rated Voltage	V	690
Cut-in wind speed	m/s	3.0
Nominal wind speed	m/s	12

Via onsite investigation and checking daily operation and maintenance records /6/, the verification team confirmed that:

- there is no proposed or actual change to the renewed VCS PD during this monitoring period;
- all required equipments and procedures are available and implemented in an appropriate manner;
- the project is completely operational and all necessary monitoring instruments are installed;
- all required instruments including standby and operating procedures for the same have been implemented in an appropriate manner;
- neither mistakes nor malfunction on main meters have been observed during this monitoring period.
- the control system at the power plant is automated and assures continuous operation, including monitoring on malfunction of equipment;
- no serious malfunction happened and the plant was under a normal operation as expected in this monitoring period.

Furthermore, on-site training for the related procedures including monitoring, recording and reporting was verified to be in place /5/ and their implementation was confirmed by interview with the key operators and observing the operation. The monitoring structure and responsibility of personnel, as well as internal auditing process have been verified during site visit and confirmed to be in compliance with the the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021).

In conclusion, as part of the site visit, CTI confirms that:

- the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) is in accordance with the approved methodology applied by the project activity, i.e. ACM0002 (Version 20.0);

- the project implementation is in accordance with the renewed VCS PD (version 2.0 dated 15/06/2021);
- all the monitoring system in operation period is in accordance with the renewed VCS PD (version 2.0 dated 15/06/2021);
- all physical features of the proposed project activity including data collection systems and storage systems have been implemented in accordance with the renewed VCS PD (version 2.0 dated 15/06/2021) through visual inspection and document review.

Participation or any rejection under any other GHG programs

CTI checked public information from the UNFCCC website (<https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1306303373.74/view>), REC Mechanism database of China, Chinese Emission Trading System, Gold Standard Registry and interviewed with project owner during site visit, it is confirmed that the project has been registered as CDM project activity on 15/09/2011 with reference No. 4853, except VCS and CDM scheme, the project has not been participated or been rejected under any other GHG programs since validation. The same has been confirmed through interviewing with project owner.

Other Forms of Credit and Supply Chain (Scope 3) Emissions

- ✓ **Emission Trading Programs and Other Binding Limits:** The verification team checked the REC Mechanism database of China, Chinese Emission Trading System (Chinese ETS) and Chinese Certified Emission Reduction Mechanism, and found that the project activity is not accredited / registered under REC mechanism, Chinese ETS, or CCER mechanism. Also, CCER mechanism is currently suspended by Chinese government, the project activity will not and is not allowed to be registered under CCER mechanism. Thus, the assessment team concluded that the project activity is not involved in other emissions trading programs and other binding limits.

Furthermore, as per “Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management” /9/ issued by National Development and Reform Committee of P.R.China, China has a national emissions trading scheme only covering the high-emission industries, including thermal power generation, petrochemical, chemical, building materials, iron and steel, non-ferrous, paper, aviation and other key emission industries that emitted at least 26,000 tons of CO₂e/year. By checking “List of key emissions in the national carbon emissions transaction quota management in 2019-2020” /22/ issued by Ministry of Ecology and Environment of P.R.China, the project owner is not included in the mandatory emission control scheme and thus no emission cap was enforced for the project activity.

- ✓ **Other Forms of Environmental Credit:** The verification team checked the REC Mechanism database of China, I-REC database and confirmed that there are no other forms of environmental credits applied or issued for the project activity. The emission reduction resulted from the project during this monitoring period would only apply for VCU.
- ✓ **Supply Chain (Scope 3) Emissions:** The Project generated electricity by utilization of renewable wind sources, replacing the electricity generated by fossil fuel fired power plants of the power grid. For wind power projects, the GHG emission reductions come from avoiding CO₂ emissions from those fossil fuel-based power plants connected to the grid, which does not happen in a supply

chain. Therefore, it is confirmed that the Supply Chain (Scope 3) Emissions are not applicable for the project activity.

Therefore, the verification team confirmed that the project only applies CERs and VCUs under CDM and VCS standard, and no rejection from CDM or VCS standard occurs, there are no other forms of environmental credits applied or issued for the project activity.

The emission reduction resulted from the project during this monitoring period would apply for VCUs. The forms of credits applied or issued for the project activity is as follows:

Start Date	End Date	GHG Emission Reduction (tCO ₂ e)	Credit	Program
25/05/2010	14/09/2011	520,242	VCU	VCS
15/09/2011	09/01/2012	114,391	CER	CDM
10/01/2012	03/10/2012	311,932	CER	CDM
04/10/2012	31/12/2012	109,115	Awaiting issuance request	CDM
01/01/2013	30/09/2015	988,793	CER	CDM
01/10/2015	29/02/2020	2,021,522	VCU	VCS
01/03/2020	30/11/2021	650,945	VCU	VCS
01/12/2021	31/05/2022	176,514	VCU	VCS
01/06/2022	31/05/2023	353,662	In requesting for VCUs	VCS

SD contributions resulted by implementation of the project activity

By checking China's National Plan on Implementation of the 2030 Agenda for Sustainable Development and 17 SDGs defined by UNDP, and interviewing with stakeholders during site visit, CTI confirmed that the project would contribute to sustainable development in as below:

- **SDG 13:** Reducing greenhouse gas emissions compared to a business-as-usual scenario. During this monitoring period, the emission reductions achieved were 353,662 tCO₂e. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1306303373.74/view>) and VERRA website (<https://registry.terra.org/app/projectDetail/VCS/903>), it is confirmed that the cumulative Contributions Over Project Lifetime were 5,247,116 tCO₂e achieved emission reductions.

- **SDG 7:** Providing clean and renewable energy source and displacing the power generation of fossil fuel power plants, reducing pollution emissions caused by coal burning significantly, thus mitigating the air pollution and its adverse impacts on human health, promoting sustainable economic development in local area. During this monitoring period, the renewable energy supplied to NCPG was 427,704.500MWh. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1306303373.74/view>) and VERRA website (<https://registry.terra.org/app/projectDetail/VCS/903>), it is confirmed that the cumulative

Contributions Over Project Lifetime since project start date were 5,254,865.06 MWh renewable energy supplied to NCPG.

- **SDG 8:** Providing direct and indirect employment opportunities during construction and operation period, which promotes sustained, inclusive and sustainable economic growth, full and productive employment and decent work for local residents. By checking Staff Roster /11/, it is confirmed that since operation of the project activity, 55 long term working opportunities are provided.

4.2 Safeguards

4.2.1 No Net Harm

By checking the EIA summary and conclusion provided in the renewed VCS PD (version 2.0 dated 15/06/2021), it is confirmed that wind power is green power and the impact caused by wind power on the surrounding ecosystem and residents, wastewater, 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

Stakeholder consultation was carried out by the project owner from January 2008 aiming at collecting comments from local villagers and residents, and governmental officials. Furthermore, a poster containing information of the project activity was put up in Dongxinying Village, Lianhuatan Village and Taiping Village on 12/02/2008. The survey was arranged through a one-page questionnaire, which was designed to be easily filled in. 81 participants filled in the questionnaires. 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 public its office telephone to local people and put a grievance book /24/ in the office of the company. Via checking the grievance book, It is confirmed by the verification team that no 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, grievance 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 check approved CDM PDD (version 7.0 dated 27/07/2012) and renewed VCS PD (version 2.0 dated 15/06/2021).

4.3 AFOLU-Specific Safeguards

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

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The monitoring has been carried out in accordance with the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021). 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 20.0) 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, aggregation, recording, calculation and reporting) for these parameters is provided. The information flow for the each parameter is further verified in the following sections.

Parameters monitored

According to the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021), the monitoring parameter of the project were:

- **Quantity of net electricity generation supplied by the project plant/unit to the grid in year y ($EG_{\text{facility},y}$)**

By site interview and checking the monitoring plan contained renewed VCS PD (version 2.0 dated 15/06/2021) and verification reports, CTI confirmed:

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

Where:

$EG_{\text{export},y}$	Quantity of electricity exported to the grid by the project through the main power line (for the second crediting period)
$EG_{\text{import},y}$	Quantity of electricity imported from the grid by the project through the main power line (for the second crediting period)
$EG_{\text{backupline},y}$	Quantity of electricity delivered to the project through the backup line (for the second crediting period)

- **Quantity of electricity exported to the grid by the project through the main power line ($EG_{\text{export},y}$)**

By site interview and checking the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) and verification reports, CTI confirmed $EG_{\text{export},y}$ is continuously measured by bi-directional meter main meter M1 and its backup meter M3, main meter M2 and its backup meter M4. M1 is installed at high voltage side of No. 1 main transformer; M2 is installed at the high voltage side of No. 2 main transformer. Both M1 and M2 are bi-directional meters. M1 is used for measurement of electricity exported by Group 1 WTGs ($EG_{\text{export},y,1}$). M2 measures electricity exported by Group 2 WTGs ($EG_{\text{export},y,2}$). The meter reading was recorded monthly and archived electronically. When main meter M1

and M2 is not working, meter reading from backup meter M3 and M4 will be used as reference for ER calculation. By checking operation log /6/, it is confirmed that the meter M1 and M2 is working well during this monitoring period. In this monitoring period, the cut-off time was 24:00 hr of last day of each month. At the cut-off time, the staff from project developer and the grid company read the electricity meters together. The project developer record electricity meter readings and form Monthly Reading Records (MRRs) /7/. The staff from power grid company record electricity meter readings and then transcribes the data into Electricity Receipts /8/. $EG_{\text{export},y}$ was sourced from Meter Reading Records (MRRs) /7/ issued by the project developer, and Electricity Receipts /8/ issued by power grid company covering monitoring period.

- **Quantity of electricity imported from the grid by the project through the main power line ($EG_{\text{import},y}$)**

By site interview and checking the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) and verification reports, CTI confirmed $EG_{\text{export},y}$ is continuously measured by bi-directional meter main meter M1 and its backup meter M3, main meter M2 and its backup meter M4. M1 is installed at high voltage side of No. 1 main transformer; M2 is installed at the high voltage side of No. 2 main transformer. Both M1 and M2 are bi-directional meters. M1 is used for measurement of electricity imported from the grid by Group 1 WTGs ($EG_{\text{import},y,1}$). M2 measures electricity imported from the grid by Group 2 WTGs ($EG_{\text{import},y,2}$). The meter reading was recorded monthly and archived electronically. When main meter M1 is not working, meter reading from M2 will be used as reference for ER calculation. By checking operation log /6/, it is confirmed that the meter is working well during this monitoring period. In this monitoring period, the cut-off time was 24:00 hr of last day of each month. At the cut-off time, the staff from project developer and the grid company read the electricity meters together. The project developer record electricity meter readings and form Monthly Reading Records (MRRs) /7/. The staff from power grid company record electricity meter readings and then transcribes the data into Electricity Receipts /9/. $EG_{\text{import},y}$ was sourced from Meter Reading Records (MRRs) /7/ issued by the project developer, and Electricity Receipts /8/ issued by power grid company covering monitoring period.

- **Quantity of electricity delivered to the project through the backup line ($EG_{\text{backupline},y}$)**

By site interview and checking the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) and verification reports, CTI confirmed $EG_{\text{backupline},y}$ is continuously measured meter M5 installed on the backup line of the project. The meter reading was recorded monthly and archived electronically. By checking operation log /6/ and Monthly Reading Records (MRRs) /7/, it is confirmed that in this monitoring period no electricity was imported by the project via the backup line.

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 monthly reading records were used to the report, through a cross check with Electricity Receipts. 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 meters have been calibrated periodically as per the relevant industrial standard by the qualified third party to ensure the monitoring equipments' accuracy and in good conditions. The relevant information of meters' calibration is listed as below.

No.	Type	Serial No.	Accuracy	Calibration date	Validity
M1	ACE8000	37006390	0.2S	17/07/2021	16/07/2022
				17/07/2022	16/07/2023
M2	ACE8000	37002994	0.2S	17/07/2021	16/07/2022
				17/07/2022	16/07/2023
M3	DSSD331	09080144840023	0.2S	17/07/2021	16/07/2022
				17/07/2022	16/07/2023
M4	DSSD331	09080144840005	0.2S	17/07/2021	16/07/2022
				17/07/2022	16/07/2023
M5	DSSD22	B24T0P812403001807	0.5S	17/07/2021	16/07/2022
				17/07/2022	16/07/2023

The meters were calibrated by Measurement Center of State Grid Yibei Electric Power Co., Ltd.. Calibration records and accreditation certificates /12//13/ have been verified by the verification team. The accuracy of meters is comply with that in the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021). By checking the applicable industrial metering configuration standard "Technical Administrative Code of Electric Energy Metering" /15/, CTI can confirm that the accuracy level of all meters meets the requirement stipulated in this standard. CTI can thus confirm that the accuracy of the meters is in line with the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) and relevant industry standard.

In the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021), it stated that the meters will be calibrated and checked annually for accuracy. By checking the calibration reports, CTI found the calibration frequency of these meters is annual, which is in line with the applicable calibrating standard "Technical Administrative Code of Electric Energy Metering" /15/. Hence, CTI can confirm that the meters' calibration frequency is in line with the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) and relevant industry standard, and the calibrations of meters are verified to be valid for the whole reporting period.

✓ **Data management and control**

Hebei Construction Investment New Energy 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 VER project management and monitoring manual /4/, including the organization structure with the responsibilities, personnel competencies, monitoring procedures and monitoring management. By interview with the staff and check records /4/-/6/ 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.

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:

$$ER_y = BE_y - PE_y - LE_y$$

✓ Baseline emissions

As per renewed VCS PD (version 2.0 dated 15/06/2021), Baseline emissions were calculated as follows:

$$\begin{aligned} BE_y &= EG_{\text{facility},y} * EF_{\text{grid},\text{CM},y} \\ &= (EG_{\text{export},y} - EG_{\text{import},y} - EG_{\text{backupline},y}) * EF_{\text{grid},\text{CM},y} \\ &= (EG_{\text{export},y,1} + EG_{\text{export},y,2} - EG_{\text{import},y,1} - EG_{\text{import},y,2} - EG_{\text{backupline},y}) * EF_{\text{grid},\text{CM},y} \end{aligned}$$

Where:

BE_y = Baseline emissions in year y (tCO₂e/y);

$EG_{\text{facility},y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh);

$EG_{\text{export},y}$ = Quantity of electricity exported to the grid by the project through the main power line (MWh);

$EG_{\text{import},y}$ = Quantity of electricity imported from the grid by the project through the main power line (MWh);

$EF_{\text{grid},\text{CM},y}$ = CO₂ emission factor of the NCPG (tCO₂e/MWh).

$EF_{\text{grid},\text{CM},y}$ is the grid emission factor of the which has been verified ex-ante in the validation of renewal of crediting period in the renewed VCS PD (version 2.0 dated 15/06/2021) /20/ as 0.8269 tCO₂e/MWh.

Period	EG _{export,y}					EG _{import,y}					EG _{backuplin e,y} (MWh)	EG _{facility,y} (MWh)
	MRRs EG _{export,y,1} (MWh)	MRRs EG _{export,y,2} (MWh)	MRRs (MWh)	Electricity Receipts (MWh)	Conservativ e value (MWh)	MRRs EG _{import,y ,1}	MRRs EG _{import, y,2}	MRRs (MWh)	Electrici ty Receipt s (MWh)	Conservati ve value (MWh)		
	A	B	C=A+B	D	E=MIN(C,D)	F	G	H=F+G	I	J=MAX(H,I)		
2022/06/01~2022/06/30	14335.181	15127.663	29462.844	29001.328	29001.328	12.380	15.117	27.497	28.250	28.250	0.000	28,973.078
2022/07/01~2022/07/31	17802.718	17226.982	35029.700	34898.003	34898.003	10.010	12.180	22.190	23.590	23.590	0.000	34,874.413
2022/08/01~2022/08/31	20220.118	18039.042	38259.160	38017.365	38017.365	12.660	9.270	21.930	22.950	22.950	0.000	37,994.415
2022/09/01~2022/09/30	18023.733	19017.822	37041.555	36907.316	36907.316	15.330	10.910	26.240	27.040	27.040	0.000	36,880.276
2022/10/01~2022/10/31	18770.311	17298.251	36068.562	35852.141	35852.141	11.030	11.820	22.850	23.610	23.610	0.000	35,828.531
2022/11/01~2022/11/30	17690.578	18092.335	35782.913	35012.003	35012.003	15.340	10.280	25.620	26.310	26.310	0.000	34,985.693
2022/12/01~2022/12/31	20191.882	21804.681	41996.563	41592.183	41592.183	10.270	11.380	21.650	21.900	21.900	0.000	41,570.283
Total in 2022	127034.521	126606.776	253641.297	251280.339	251280.339	87.020	80.957	167.977	173.650	173.650	0.000	251,106.689
2023/01/01~2023/01/31	20518.022	18793.451	39311.473	39001.241	39001.241	10.020	12.950	22.970	23.440	23.440	0.000	38,977.801
2023/02/01~2023/02/28	20161.770	18013.550	38175.320	37866.023	37866.023	12.270	9.030	21.300	22.500	22.500	0.000	37,843.523
2023/03/01~2023/03/31	22031.268	16090.417	38121.685	37925.228	37925.228	10.090	12.182	22.272	22.850	22.850	0.000	37,902.378
2023/04/01~2023/04/30	15732.522	15201.831	30934.353	30355.554	30355.554	10.680	12.220	22.900	23.880	23.880	0.000	30,331.674
2023/05/01~2023/05/31	15026.814	16913.471	31940.285	31568.045	31568.045	9.310	15.230	24.540	25.610	25.610	0.000	31,542.435
Total in 2023	93470.396	85012.720	178483.116	176716.091	176716.091	52.370	61.612	113.982	118.280	118.280	0.000	176,597.811
Total in this monitoring period	220504.917	211619.496	432124.413	427996.430	427996.430	139.390	142.569	281.959	291.930	291.930	0.000	427,704.500

During this monitoring period, BE_y is calculated as:

Year	$EG_{\text{facility},y}$ (MWh)	$EF_{\text{grid},CM,y}$ (tCO ₂ e/MWh)	BE_y (tCO ₂ e) $BE_y = EG_{\text{facility},y} * EF_{\text{grid},CM,y}$
	G	H	I=Rounddown(G*H)
01/06/2022~31/12/2022	251,106.689	0.8269	207,636
01/01/2023~31/05/2023	176,597.81	0.8269	146,026
In total	427,704.500	/	353,662

✓ Project emissions

According to renewed VCS PD (version 2.0 dated 15/06/2021), for the wind power activities, the project emissions from the project is zero. Hence, PE_y during the monitoring period from Hebei Guyuan County Dongxingying 199.5 MW Wind Power Project is zero.

✓ Leakages

Leakage does not need to be counted this project as per the renewed VCS PD (version 2.0 dated 15/06/2021) and ACM0002 Version 20.0.

✓ Emission reductions

The emission reductions for this monitoring period was calculated as:

Monitoring period	GHG emission reductions or removals (tCO ₂ e)
01/06/2022~31/12/2022	207,636
01/01/2023~31/05/2023	146,026
Total ERs claimed (in 365 days)	353,662

In conclusion, 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

CTI Certification Co., Ltd (CTI) has performed the verification of the emission reductions that have been reported for the project activity “Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project” in China (VCS Project ID: 903) for the period 01/06/2022 to 31/05/2023.

The verification is based on the baseline and monitoring methodology ACM0002 (Version 20.0), renewed VCS PD (version 2.0 dated 15/06/2021) and the monitoring report (version 2.0 dated 31/08/2023). 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 4.5 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 renewed VCS PD (version 2.0 dated 15/06/2021);
- the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021) is as per the applied methodology;
- the monitoring complies with the monitoring plan contained in the renewed VCS PD (version 2.0 dated 15/06/2021);
- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS version 4.5 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 VCU's hereby verified and certified. Request for issuance of VCU's 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 "Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project" for the period 01/06/2022 to 31/05/2023 are fairly stated in the monitoring report (version 2.0 dated 31/08/2023). The GHG emission reductions were calculated correctly on the basis of the approved methodology ACM0002 (Version 20.0), the renewed VCS PD (version 2.0 dated 15/06/2021).

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:

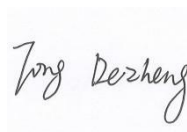
Verification period: From 01/06/2022 to 31/05/2023

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)
01/06/2022~31/12/2022	207,636	0	0	207,636
01/01/2023~31/05/2023	146,026	0	0	146,026
Total	353,662	0	0	353,662

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

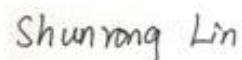
Ex-ante emissions reductions/removals	Achieved emissions reductions/removals	Percent difference	Justification for the difference
01/06/2022 - 31/05/2023: 335,460tCO ₂ e	353,662tCO ₂ e	5.43%	The emission reductions claimed are 353,662 tCO₂e in this monitoring period (i.e. 365 days). Compared with the expected emission reductions 335,460 tCO₂e in the renewed VCS PD (version 2.0 dated 15/06/2021), the reported emission reductions in this monitoring period are 5.43% (5.57% for 01/06/2022-31/12/2022 and 5.22% for 01/01/2023-31/05/2023) higher than the expected. By checking public information /25//26/, it was verified the average annual effective wind speed time is more than 6000 hours, much higher than the national average level, i.e. 3,412 hours. By checking the registered CDM PDD (version 7.0 dated 27/07/2012) /16/, it is confirmed that the variation of emission reduction has no impact to additionality of the project activity.



Mr. Tong Dezheng

Team Leader

01/09/2023



Ms. Lin Shunrong

Technical Reviewer

01/09/2023

APPENDIX A: ABBREVIATIONS

CAR	Corrective Action Request
CER	Certified Emission Reduction(s)
CL	Clarification request
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
CTI	CTI Certification Co., Ltd
DOE	Designated Operational Entity
EF	Emission Factor
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
MP	MONITORING REPORT
MR	Monitoring Report
NCPG	North China Power Grid
PD	Project Description
PP	Project Proponent
VCS	Verified Carbon Standard
VCU	Verified Carbon Unit

APPENDIX B: REFERENCES

Documentation used to verify the information provided by the project proponents

- /1/ Demeter Venture Uk Limited: Monitoring Report for Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project, version 1.0 dated 03/06/2023, version 1.1 dated 07/08/2023, version 2.0 dated 31/08/2023.
- /2/ Demeter Venture Uk Limited: Emission reduction calculation spreadsheet for Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project, version 1.0 dated 03/06/2023
- /3/ Hebei Construction Investment New Energy Co., Ltd. and State Grid Hebei Electric Power Company: Power Purchase Agreement for Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project.
- /4/ Hebei Construction Investment New Energy Co., Ltd.: VER monitoring manual and management procedure.
- /5/ Hebei Construction Investment New Energy Co., Ltd.: Records of training for on-site staff.
- /6/ Hebei Construction Investment New Energy Co., Ltd.: Operation log sheets, from 01/06/2022 to 31/05/2023.
- /7/ Hebei Construction Investment New Energy Co., Ltd.: Monthly reading records (MMRs) of Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project from 01/06/2022 to 31/05/2023.
- /8/ Local Electric Power Company: Electricity Receipts from 01/06/2022 to 31/05/2023.
- /9/ “Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management” issued by National Development and Reform Committee of P.R.China
- /10/ Hebei Construction Investment New Energy Co., Ltd.: nameplate of the equipment.
- /11/ Staff Roaster
- /12/ Hebei Provincial Market Supervision Administration: Accreditation certificate of Measurement Center of State Grid Yibei Electric Power Co., Ltd. valid till 29/11/2023.
- /13/ Measurement Center of State Grid Yibei Electric Power Co., Ltd.: Calibration certificates for meters covering this monitoring period.
- /14/ Registered VCS PD, version03 dated 24/07/2012.
- /15/ State Economic and Trade Commission: Technical administrative code of electric energy metering.
- /16/ UNFCCC Website: the registered CDM PDD, version 7.0 dated 27/07/2012.
- /17/ TÜV Rheinland Japan Ltd. : the Validation Report of registered CDM PDD, Version 04.3 dated 15/09/2011

- /18/ Bureau Veritas Certification Holding SAS: Validation opinion on changes in CDM PDD, version 01 dated 20/08/2012
- /19/ Renewed VCS PD (version 2.0 dated 15/06/2021)
- /20/ VERRA Website: Monitoring Report for Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project of monitoring period 01/12/2021 to 31/05/2022.
- /21/ VERRA Website: Final Verification Report of Monitoring Report for Hebei Guyuan County Dongxinying 199.5 MW Wind Power Project of monitoring period 01/12/2021 to 31/05/2022.
- /22/ “List of key emissions in the national carbon emissions transaction quota management in 2019-2020” issued by Ministry of Ecology and Environment of P.R.China
- /23/ LGAI Technological Center, S.A. (Applus+ Certification): Validation Report of renewed VCS PD (version 01.1 dated 14/09/2021)
- /24/ Photo of grievance book to collect comments about project implementation from local stakeholders
- /25/ Public information about average annual effective wind speed time of wind power projects where the project located:
<https://baijiahao.baidu.com/s?id=1762385696544773576&wfr=spider&for=pc>
- /26/ Public information about average annual effective wind speed time of wind power projects in China
<https://hxny.com/nd-86996-0-17.html>

Methodologies, tools and other guidance

- /27/ Verified Carbon Standard: VCS Standard, version 4.5.
- /28/ Verified Carbon Standard: VCS Program Guide, version 4.4.
- /29/ Verified Carbon Standard: Registration and Issuance Process, version 4.4.
- /30/ UNFCCC EB: Approved methodology, ACM0002, Version 20.0

APPENDIX C: COMPETENCE OF TEAM MEMBERS AND TECHNICAL REVIEWERS



CERTIFICATE OF APPOINTMENT

Mr. Dezheng TONG

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

Qualification						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	✓	✓	✓	✓	-	✓

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	TA 8.1: Mining/mineral production
SS 10: Fugitive emissions from fuels (solid, oil and gas)	TA 10.1: Fugitive emissions from oil and gas

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, 01/07/2022



CERTIFICATE OF APPOINTMENT

Ms. Shunrong LIN

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

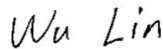
Qualification						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	✓	✓	✓	✓	✓	✓

Scope	Technical Area
SS 1: Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources
SS 3: Energy demand	TA 3.1: Energy demand
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater
	TA 13.2: Manure
SS 14: Afforestation and reforestation	TA 14.1: Afforestation and reforestation
SS 15: Agriculture	TA 15.1: 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



Technical Competent Manager

Shenzhen, 25/10/2022



CERTIFICATE OF APPOINTMENT

Mr. Tian FENG

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

Qualification						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	√	√	√	√	-	-

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	TA 8.1: 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

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

Table 1: Clarification Requests

CL ID	Clarification Request	Response by Project Proponent	Verification Team Assessment
NA	NA	NA	NA

Table 2: Corrective Action Requests

CAR ID	Corrective Action Request	Response by Project Proponent	Verification Team Assessment
01	Please supplement table in VCS Monitoring Report Template for comparing of estimated and achieved emission reductions.	The table in the VCS monitoring report template has been supplemented with a detailed comparison and analysis of estimated and realized emissions. See Monitoring Report (version 1.1) for details.	Table in VCS Monitoring Report Template for comparing of estimated and achieved emission reductions has been supplemented and verified by the verification team. Therefore, CAR01 was closed.

Table 3: Forward Action Requests

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