



VCS VERIFICATION REPORT OF MADUSHAN HYDROPOWER PROJECT ON HONGHE RIVER IN YUNNAN PROVINCE, CHINA



Document Prepared By CTI Certification Co., Ltd

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Summary:

CTI Certification Co., Ltd (CTI) has performed the verification of the emission reductions reported for the project activity “Madushan Hydropower Project on Honghe River in Yunnan Province, China” (VCS Project ID: 883) for the monitoring period 01/01/2018 to 27/02/2021, 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 Verified Carbon Standard (VCS) version 4.4.

The verification was performed on the basis of VCS Program Guide version 4.3 and 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 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 03 dated 05/07/2023) 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 11).

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.

Hence, CTI is able to certify that the emission reductions from the “Madushan Hydropower Project on Honghe River in Yunnan Province, China” during the period amount to 3,020,882 tCO₂e.

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1 INTRODUCTION

Goldchina Consultancy International Co., Ltd. has commissioned CTI Certification Co., Ltd (CTI) to carry out the verification and certification of emission reductions reported for the “Madushan Hydropower Project on Honghe River in Yunnan Province, China” (the project) for the period 01/01/2018 to 27/02/2021. 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 “Madushan Hydropower Project on Honghe River in Yunnan Province, China” for the period 01/01/2018 to 27/02/2021.

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 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 4.3) /28/
- VCS Standard (version 4.4) /27/ and other relevant requirements defined by VERRA;
- The approved methodology ACM0002 (Version 11) /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 large projects with ER greater than 300,000 tCO_{2e} per year) with respect to emission or misstatements concerning reported quantities as per para 3.10.1 and 4.1.8 (4) of VCS Standard, v4.4.

1.4 Summary Description of the Project

Sectoral Scope and Project Type

According to the VCS Program Guide (version 4.3) /31/, 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:	Madushan Hydropower Project on Honghe River in Yunnan Province, China
Project proponent:	Honghe Guangyuan Madushan HydroPower Development Co., Ltd. (China)
Project location:	Gejiu City and Jinping County, Honghe Hani & Yi Autonomous State, Yunnan Province, China
VCS Project ID:	883
Applied methodology:	ACM0002 Version 11
VCS project crediting period:	28/02/2011 to 27/02/2021 (the first VCS crediting period)
VCU verification period:	01/01/2018 to 27/02/2021

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, 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	Tong Dezheng	1.2, 8.1, 10.1	☒ 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:

- Registered CDM PDD (version 05 dated 18/05/2011) /16/;
- Registered VCS PD (version 01 dated 22/05/2012) /25/;
- Validation Report of registered CDM PDD (Version 02.1 dated 06/06/2011) /17/;
- 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 19/12/2022, CTI visited Honghe Guangyuan Madushan HydroPower Development 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. Zhang Jin	Vice General Manager	Honghe Guangyuan Madushan HydroPower Development Co., Ltd. (the project owner)	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
Mr. Peng Linfeng	Director of Electricity Generation Department		
Mr. Dong Guowai	Duty Director		
Mr. Wang Fu	Villager	Local resident	The impact of the project activity; The complaint by local stakeholders; The stakeholder consultation during the operation of the project activity.
Ms. Zhang Chun	Villager		
Ms. Wang Chun	Villager		
Ms. Zhao Qiangdong	Villager		
Ms. Liu Mei	Vice Director	Local Environment Protection Bureau	
Mr. Zheng Zhaoning	Director	Goldchina Consultancy International Co., Ltd.	Data collection and ER calculation.

2.4 Site Visits

The verification team performed the on-site verification (Gejiu City and Jinping County, Honghe Hani & Yi Autonomous State, Yunnan Province, China) on 19/12/2022. 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 registered CDM PDD (version 05 dated 18/05/2011) and registered VCS PD (version 01 dated 22/05/2012);
- 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 CDM PDD;
- 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 registered CDM PDD and the selected methodology;
- A review of calculations and assumptions made in determining the GHG data and emission reductions; and
- An identification that quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

The data presented in the monitoring report were assessed by review of the detailed project documentation and production records, as well as by interviews with personnel from the project developer Honghe Guangyuan Madushan HydroPower Development 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 11), 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 /11/, and no FAR was raised during this verification.

2.6 Eligibility for Validation Activities

The registered CDM PDD of the project activity was validated by ERM Certification and Verification Services on 06/06/2011 /17/. Periodic verifications have been carried out by RINA Services S.p.A. (RINA) and LGAI Technological Center, S.A. (Applus+ Certification) on 24/05/2012 and 27/10/2022 under VCS scheme /21/. 2 periodic verifications have been carried out by China Environmental United Certification Center Co., Ltd (CEC) on 06/01/2012 and 10/12/2012 under CDM scheme /18//19/. The verification for the proposed monitoring period 01/01/2018 to 27/02/2021 is the 3rd VCS verification and was undertaken by CTI. CTI just undertook verification activities for the project according to the VCS Program Guide. And CTI did not verify more than six consecutive years of this project's GHG emission reductions or removals, which satisfies with 4.1.23 of VCS Standard version 4.4. This section is thus not applicable.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project activity was registered as a CDM project (UNFCCC ID. 4476) on 07/06/2011 as per UNFCCC website (<https://cdm.unfccc.int/Projects/DB/ERM-CVS1297254096.28/view>). The CDM crediting period of the project activity is 3*7 years renewable and the first CDM crediting period is from 07/06/2011 - 06/06/2018.

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 11) /30/. There was not any methodology deviation applied to this project. Details refer to section 4.1.

3.3 Project Description Deviations

The project was registered under CDM scheme on 07/06/2011 (UNFCCC ID. 4476). By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/ERM-CVS1297254096.28/view>), the verification

team confirmed that for the project activity, the first CDM crediting period is from 07/06/2011 to 06/06/2018. As per relevant CDM standard, the crediting period of the project could be renewed twice.

The project have been registered under VCS scheme. In the Verification Report of previous VCS monitoring period, it was mentioned that the project started operation since 28/02/2011. By checking UNFCCC website, it was confirmed that the project activity was registered as CDM project activity on 07/06/2011. Therefore, the VCS crediting period was determined as 28/02/2011 to 06/06/2011.

As per VCS scheme under which the project was registered, the project crediting period is allowable for 10 years and could be renewed twice. Considering 3*7-year CDM crediting period, it is reasonable that the total VCS crediting period was determined from 28/02/2011 to 27/02/2032, of which the first VCS crediting period is from 28/02/2011 to 27/02/2021.

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 “Madushan Hydropower Project on Honghe River in Yunnan Province, China” for the period 01/01/2018 to 27/02/2021.

4.1 Project Implementation Status

Project Implementation in accordance with the registered project design document

The project is a grid-connected hydro power plant, which is located in Gejiu City and Jinping County, Honghe Hani & Yi Autonomous State, Yunnan Province, China. The installed capacity of the project activity is 288 MW, consisting of 3 sets of hydropower turbine generators with unit capacity of 96 MW. The project activity has a reservoir with power density of and a reservoir with power density larger than 10 W/m² at its implementation. The average annual power delivered to the grid by the project is expected to be 1,164,249MWh in the first three operational years and 1,217,569MWh in the remaining years. The actual implementation of the project during this verification period was verified in terms of name plate capacities of each hydro turbine and monitoring equipment. The details of the hydro turbines with respect to installation and capacity have been verified to be consistent with description indicated in the registered CDM PDD and registered VCS PD. The project started operation on 28/02/2011, 29/06/2011 and 27/07/2011 respectively for 3 units, which has been verified by

site visit interview, checking verification report of previous VCS monitoring period /21/. The electricity generated by the project activity was supplied to the South China Power Grid (SCPG), which can be confirmed by the Power Purchase Agreement (PPA) signed between Honghe Guangyuan Madushan HydroPower Development Co., Ltd. and local Electric Power Company /3/. The project start date was identified as 28/02/2011 when the first hydro turbine started to operate and began generating GHG emission reductions. As justified in section 3.3 of this report, the 1st VCS crediting period of the project is determined as from 28/02/2011 to 27/02/2021. The selected monitoring period is from 01/01/2018 to 27/02/2021, which is within the 1st VCS crediting period.

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

Water turbine	Model	HL210a-LJ-430
	Number	3
	Rated capacity	96 MW
	Rated water head	67.0m
	Rated flow	168.67m ³ /s
	Rated speed	142.9 r/min
	Operation year	50 years in ideal condition
Generator	Model	SF96-42/10000
	Number	3
	Capacity per set	96MW
	Power factor	0.85
	Rated speed	142.9 r/min
	Rated voltage	13.8kV
	Operation year	50 years in ideal condition
Transformer	Model	SFP10-120000/230
	Number	3
	Rated capacity	120000kVA
	Rated frequency	50HZ
	Operation year	>30 years in ideal condition

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 registered CDM PDD 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 registered CDM PDD (version 05 dated 18/05/2011).

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

- the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011) is in accordance with the approved methodology applied by the project activity, i.e. ACM0002 (Version 11);
- the project implementation is in accordance with the registered CDM PDD (version 05 dated 18/05/2011);
- all the monitoring system in operation period is in accordance with the registered CDM PDD (version 05 dated 18/05/2011);
- all physical features of the proposed project activity including data collection systems and storage systems have been implemented in accordance with the registered CDM PDD (version 05 dated 18/05/2011) 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/ERM-CVS1297254096.28/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 that the project has been registered as CDM project activity on 07/06/2011 with reference No. 4476, 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 registered under CCER mechanism. Thus, the assessment team concluded that the project activity not involved on 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 cover 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 VCUs.
- ✓ **Supply Chain (Scope 3) Emissions:** The Project generated electricity by utilization of renewable hydro sources, replacing the electricity generated by fossil fuel fired power plants of the power grid. For hydro 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
28/02/2011	06/06/2011	42,216	VCU	VCS
07/06/2011	30/11/2011	334,035	CER	CDM
01/12/2011	31/07/2012	264,480	CER	CDM
01/08/2012	31/12/2017	5,610,592	VCU	VCS
01/01/2018	27/02/2021	3,020,882	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 3,020,882tCO₂e. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/ERM-CVS1297254096.28/view>) and VERRA website (<https://registry.verra.org/app/projectDetail/VCS/883>), it is confirmed that the cumulative Contributions Over Project Lifetime since project start date, i.e. 28/02/2011, were 8,673,690 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 SCPG was 3,833,852.55MWh. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/ERM-CVS1297254096.28/view>) and VERRA website (<https://registry.terra.org/app/projectDetail/VCS/883>), it is confirmed that the cumulative Contributions Over Project Lifetime since project start date, i.e. 28/02/2011, were 10,954,347.80 MWh renewable energy supplied to SCPG.

- **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 registered CDM PDD, it is confirmed that hydro power is green power and the impact caused by hydro 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.

During site investigation and by checking EIA Report /24/, it is confirmed that the wastewater are daily sanitary wastewater, which is be discharged into the environment after treatment, such as sand setting, precipitation, adding neutralizer. By checking EIA Report /24/ and during on site investigation, it is confirmed that the discharged flow of the project activity fulfills the minimum ecological flow requirements of Honghe river.

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

4.2.2 Local Stakeholder Consultation

As per the registered CDM PDD, the local stakeholder's meeting was held by the project owner. Local stakeholders, including residents and authorities.

A stakeholder consultation survey was conducted before the stakeholder meeting through distributing a one-page questionnaire, which was designed to be easily filled in. 125 copies of questionnaire were distributed and 100 pieces of reply were received. 100 participants filled in the questionnaires included local residents. The opinions expressed by the stakeholders showed that no negative comments were received and the proposed project receives support from the local community.

During site visit, the feedback book /26/ located in the reception room at the project site has been verified, the assessment team confirmed there were no negative comments raised for this monitoring period. Via 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. It is confirmed by the

verification team that there were no negative comments and issues from the local stakeholders during this monitoring period and the project passed all the periodic spot checks by local government.

4.3 AFOLU-Specific Safeguards

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

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The monitoring has been carried out in accordance with the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011). 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 11) 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 registered CDM PDD (version 05 dated 18/05/2011), there are 5 monitoring parameters of the project:

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

$EG_{\text{facility},y}$ is calculated via equation “ $EG_{\text{facility},y} = EG_{\text{facility to SCPG},y} - EG_{\text{SCPG to facility},y}$ ”. During this monitoring period, the parameter $EG_{\text{facility to SCPG},y}$ and $EG_{\text{SCPG to facility},y}$ were continuously measured by main meter M1 and its backup meter M2 installed at Manhao Switching Station. The meter readings were recorded monthly. When meter M1 is not working, M2 will be used as reference. By checking operation log /6/, it is confirmed that both meters are working well.

The cut-off time was at 24:00 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 staff from project owner read the meter readings and record the same in Meter Reading Records (MRRs) /7/. The staff from power grid company record electricity meter’s readings and then transcribes the data into Electricity Transaction Notes (ETNs) /8/ (serves as Electricity Sales Receipts and Electricity Purchase Receipts). $EG_{\text{facility to SCPG},y}$ and $EG_{\text{SCPG to facility},y}$ were sourced from Meter Reading Records (MRRs) /7/ issued by the project developer issued by power grid company covering monitoring period. Data in the monthly reading records were used to the report, through a cross check with ETNs /8/. The conservative values were applied to calculate $EG_{\text{facility},y}$.

As described above, the meters have been installed in accordance with the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011). CTI has on-site checked the location of the meters against the diagram of power connection system and found them to be consistent. The data reported in the monitoring report and ERs calculation spreadsheet has been verified by the verification team. Supporting references and data required to determine Quantity of net electricity generation supplied by the project plant/unit to the grid in year y ($EG_{\text{facility},y}$) is found to be complete and transparent.

- **Installed capacity of the hydro power plant after the implementation of the project activity (C_{PP})**

By checking Nameplate of hydropower turbines and generators, it is confirmed by the verification team the installed capacity of project activity is 288,000,000W, which is consistent with that in the registered CDM PDD /10/.

By checking verification report of previous monitoring period /19//21/, it is confirmed that the parameter have been measured once at the start of the operation of the project activity.

- **Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (A_{PL})**

By checking Survey Report issued by Pearl River Water Resources Scientific Research Institute of Pearl River Water Resources Commission /14/, it is confirmed the Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full through the whole monitoring period is as follows and the parameter will be checked annually.

Year	A_{PL} (m^2)	Measurement date as confirmed by the verification team
2018	19,180,000	15/09/2018
2019	19,180,000	15/07/2019
2020	19,180,000	15/10/2020

✓ **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.

Electricity Meter	Main meter M1	Backup Meter M2
Mode	MK6E	MK6E
Accuracy class	0.2S	0.2S
Serial Number	213139169	213139150
Calibration frequency	Annually	Annually
Calibration date	17/03/2017 16/03/2018	17/03/2017 16/03/2018

	15/03/2019 13/03/2020	15/03/2019 13/03/2020
Calibration validity	16/03/2018 15/03/2019 14/03/2020 12/03/2021	16/03/2018 15/03/2019 14/03/2020 12/03/2021

The meters were calibrated by Yunnan Electric Power Test & Research Institute Group Co., Ltd Electric Power Research Institute. 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 registered CDM PDD (version 05 dated 18/05/2011). 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 registered CDM PDD (version 05 dated 18/05/2011) and relevant industry standard.

In the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011), 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 registered CDM PDD (version 05 dated 18/05/2011) and relevant industry standard, and the calibrations of meters are verified to be valid for the whole reporting period.

✓ **Data management and control**

Honghe Guangyuan Madushan HydroPower Development 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 registered CDM PDD, Baseline emissions were calculated as follows:

$$BE_y = EG_{\text{facility},y} * EF_{\text{grid,CM},y} = (EG_{\text{facility to SCPG},y} - EG_{\text{SCPG to facility},y}) * EF_{\text{grid,CM},y}$$

Where:

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

EG_y = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh);

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

$EG_{\text{SCPG to facility},y}$ = Quantity of electricity imported from the grid in year y (MWh);

$EF_{\text{grid,CM},y}$ = CM emission factor of South China Power Grid (tCO₂e/MWh).

CM emission factor of South China Power Grid ($EF_{\text{grid,CM},y}$)

$EF_{\text{grid,CM},y}$ is the grid emission factor of the which has been verified ex-ante in the validation stage in the registered CDM PDD (version 05 dated 18/05/2011) /10/ as 0.78795 tCO₂e/MWh.

Period	EG facility to SCPG, y			EG SCPG to facility, y		
	MRRs	Electricity receipts	ER calculation	MRRs	Electricity receipts	ER calculation
	MWh	MWh	MWh	MWh	MWh	MWh
	A	B	C=MIN(A,B)	D	E	F=MAX(D,E)
01/01/2018-31/12/2018	1,422,803.25	1,422,803.25	1,422,803.25	291.50	291.50	291.50
01/01/2019-31/12/2019	1,301,256.55	1,301,256.55	1,301,256.55	1,245.20	1,245.20	1,245.20
01/01/2020-31/12/2020	1,036,233.55	1,036,233.55	1,036,233.55	1,516.90	1,516.90	1,516.90
01/01/2021-27/02/2021	77,057.75	77,057.75	77,057.75	444.95	444.95	444.95
Total	3,837,351.10	3,837,351.10	3,837,351.10	3,498.55	3,498.55	3,498.55

Since the transaction date of this monitoring period is 24:00 of last day of each month, for the electricity data of Feb 2021, the “quantity of electricity supplied by the project to the grid” and “quantity of electricity imported from the grid” of 28/02/2021 sourced from Daily Electricity Report has been deducted from the electricity data of a whole month, which is verified by CTI to be reasonable.

During this monitoring period, BE_y is calculated as:

Year	Value used for ER calculation	EF _{grid,CM,y} (tCO ₂ e/MWh)	BE _y (tCO ₂ e) BE _y = EG _{facility,y} * EF _{grid,CM,y}
	EG _{facility,y} (MWh)		
	G		I=Rounddown(G*H)
01/01/2018-31/12/2018	1,422,511.75	0.78795	1,120,868
01/01/2019-31/12/2019	1,300,011.35	0.78795	1,024,343
01/01/2020-31/12/2020	1,034,716.65	0.78795	815,304
01/01/2021-27/02/2021	76,612.80	0.78795	60,367
In total	3,833,852.55	/	3,020,882

*Note: electricity from 01/02/2021-27/02/2021 were sourced from daily meter recordings, which has been confirmed through checking daily reading records.

✓ Project emissions

According to FSR /23/ and by checking Nameplate of hydropower turbine and generator during site visit, it is confirmed that the installed capacity of the project (Cap_{PJ}) is 288,000,000W. By checking Survey Report issued by qualified third party - Pearl River Water Resources Scientific Research Institute of Pearl River Water Resources Commission /14/, it is confirmed the Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full and the corresponding power density of the project through the whole monitoring period is:

Year	Cap _{PL} (W)	A _{PL} (m ²)	Power Density (W/m ²)
2018	288,000,000	19,180,000	15
2019	288,000,000	19,180,000	15
2020	288,000,000	19,180,000	15
2021	288,000,000	19,180,000	15

As per methodology ACM0002 (Version 11), registered CDM PDD (version 05 dated 18/05/2011), the power density is calculated via equation:

$$PD = (CAP_{PJ} - CAP_{BL}) / (A_{PJ} - A_{BL}) = (288 \times 10^6 W - 0) / (19,180,000 m^2 - 0) = 15 W/m^2, \text{ greater than } 10 W/m^2.$$

Therefore, the project emission due to installation of reservoir (PE_{HP,y}) is determined to be 0 tCO₂e, and PE_y = PE_{HP,y} = 0, which is in compliance with ACM0002 (Version 11) and registered CDM PDD (version 05 dated 18/05/2011).

✓ Leakages

Leakage does not need to be counted this project as per the registered CDM PDD and ACM0002 Version 11.

✓ Emission reductions

The emission reductions for this monitoring period was calculated as:

Monitoring period	GHG emission reductions or removals (tCO ₂ e)
01/01/2018~31/12/2018	1,120,868
01/01/2019~31/12/2019	1,024,343
01/01/2020~31/12/2020	815,304
01/01/2021~27/02/2021	60,367
Total ERs claimed (in 3 years and 58 days)	3,020,882

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 “Madushan Hydropower Project on Honghe River in Yunnan Province, China” in China (VCS Project ID: 883) for the period 01/01/2018 to 27/02/2021.

The verification is based on the baseline and monitoring methodology ACM0002 (Version 11), registered CDM PDD (version 05 dated 18/05/2011), registered VCS PD (version 01 dated

22/05/2012) and the monitoring report (version 03 dated 05/07/2023). 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 4.4 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 registered CDM PDD and registered VCS PD;
- the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011) is as per the applied methodology;
- the monitoring complies with the monitoring plan contained in the registered CDM PDD (version 05 dated 18/05/2011);
- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS 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.

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.

In CTI's opinion the GHG emissions reductions of the "Madushan Hydropower Project on Honghe River in Yunnan Province, China" for the period 01/01/2018 to 27/02/2021 are fairly stated in the monitoring report (version 03 dated 05/07/2023). The GHG emission reductions were calculated

correctly on the basis of the approved methodology ACM0002 (Version 11), the registered CDM PDD (version 05 dated 18/05/2011) and registered VCS PD (version 01 dated 22/05/2012).

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:

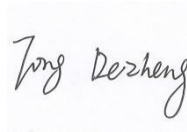
Verification period: From 01/01/2018 to 27/02/2021

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)
01/01/2018~31/12/2018	1,120,868	0	0	1,120,868
01/01/2019~31/12/2019	1,024,343	0	0	1,024,343
01/01/2020~31/12/2020	815,304	0	0	815,304
01/01/2021~27/02/2021	60,367	0	0	60,367
Total	3,020,882	0	0	3,020,882

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

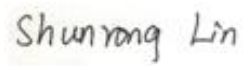
<u>Ex-ante emissions reductions/removals</u>	<u>Achieved emissions reductions/removals</u>	<u>Percent difference</u>	<u>Justification for the difference</u>
01/01/2018 - 27/02/2021: 3,030,596tCO ₂ e	3,020,882tCO ₂ e	-0.32%	The emission reductions claimed are 3,020,882 tCO ₂ e in this monitoring period (i.e. 3 years and 58 days). Compared with the expected emission reductions 3,030,596 tCO ₂ e (calculated as 959,382 tCO ₂ e*3+959,382 tCO ₂ e/58d*365d) in the registered CDM PDD, the reported emission reductions in this monitoring period are 0.32% lower than the expected.

A handwritten signature in black ink, reading 'Tong Dezheng' in a cursive style.

Mr. Tong Dezheng

Team Leader

05/07/2023

A handwritten signature in black ink, reading 'Shunrong Lin' in a cursive style.

Mr. Lin Shunrong

Technical Reviewer

05/07/2023

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
SCPG	South 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/ Goldchina Consultancy International Co., Ltd.: Monitoring Report for Madushan Hydropower Project on Honghe River in Yunnan Province, China, version 01 dated 01/06/2022, version 02 dated 19/04/2023, version 03 dated 05/07/2023.
- /2/ Goldchina Consultancy International Co., Ltd.: Emission reduction calculation spreadsheet for Madushan Hydropower Project on Honghe River in Yunnan Province, China, version 01 dated 01/06/2022
- /3/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd. and local Electric Power Company: Power Purchase Agreement for Madushan Hydropower Project on Honghe River in Yunnan Province, China.
- /4/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd.: VER monitoring manual and management procedure.
- /5/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd.: Records of training for on-site staff.
- /6/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd.: Operation log sheets, from 01/01/2018 to 27/02/2021.
- /7/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd.: Monthly reading records (MMRs) of Madushan Hydropower Project on Honghe River in Yunnan Province, China from 01/01/2018 to 27/02/2021.
- /8/ Local Electric Power Company: Monthly Electricity Transaction Notes (ETNs) from 01/01/2018 to 27/02/2021.
- /9/ “Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management” issued by National Development and Reform Committee of P.R.China
- /10/ Honghe Guangyuan Madushan HydroPower Development Co., Ltd.: nameplate of the equipment.
- /11/ Staff Roaster
- /12/ China National Accreditation Service for Conformity Assessment: Accreditation certificate of Yunnan Electric Power Test & Research Institute Group Co., Ltd Electric Power Research Institute valid from 13/02/2017 to 20/11/2023.
- /13/ Yunnan Electric Power Test & Research Institute Group Co., Ltd Electric Power Research Institute: Calibration certificates for meters covering this monitoring period.
- /14/ Survey Report about Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full issued by qualified third party - Pearl River Water Resources Scientific Research Institute of Pearl River Water Resources Commission

- /15/ State Economic and Trade Commission: Technical administrative code of electric energy metering.
- /16/ UNFCCC Website: the registered CDM PDD, version 05 dated 18/05/2011.
- /17/ ERM Certification and Verification Services: the Validation Report for registered CDM PDD dated 06/06/2011.
- /18/ UNFCCC Website: CDM monitoring reports of monitoring periods 07/06/2011 - 30/11/2011 and 01/12/2011 - 31/07/2012
- /19/ UNFCCC Website: Final Verification Report of CDM monitoring reports of monitoring periods 07/06/2011 - 30/11/2011 and 01/12/2011- 31/07/2012
- /20/ VERRA Website: Monitoring Report for Madushan Hydropower Project on Honghe River in Yunnan Province, China of monitoring period 28/02/2011 - 06/06/2011.
- /21/ VERRA Website: Final Verification Report of Monitoring Report for Madushan Hydropower Project on Honghe River in Yunnan Province, China of monitoring period 28/02/2011 - 06/06/2011.
- /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/ Feasibility Study Report (FSR) of Madushan Hydropower Project on Honghe River in Yunnan Province, China, finished by China Pearl River Water Resources Planning, Design and Survey Co.,Ltd. on November 2007 and approved by National Development and Reform Commission on 31/12/2008.
- /24/ Environmental Impact Assessment (EIA) Report of Madushan Hydropower Project on Honghe River in Yunnan Province, China, finished by by Pearl River Water Resource Conservation Science Institute on January 2007 and approved by Ministry of Environmental Protection of People’s Republic of China on 27/09/2007.
- /25/ Registered VCS PD, version 01 dated 22/05/2012
- /26/ Photo of feedback book

Methodologies, tools and other guidance

- /27/ Verified Carbon Standard: VCS Standard, version 4.4.
- /28/ Verified Carbon Standard: VCS Program Guide, version 4.3.
- /29/ Verified Carbon Standard: Registration and Issuance Process, version 4.3.
- /30/ UNFCCC EB: Approved methodology, ACM0002, Version 11

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:

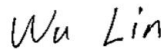
Qualification						
Status	GHG Auditor	Validator	Verifier	Team Leader	Technical Reviewer	Technical Expert
Date	✓	✓	✓	✓	✓	✓

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	As per “VCS-Monitoring-Report-Template-v4.2”, please provide evidences of the project’s SD contributions in appendix of the monitoring report. Besides, please correct the values of “Contributions Over Project Lifetime” of SDG 7 and 13.	The employee roster was added to the MR. The values of “Contributions Over Project Lifetime” of SDG 7 and 13 are corrected.	The staff roster has been put in the Appendix of the MR. Besides, the values of “Contributions Over Project Lifetime” of SDG 7 and 13 have been corrected. Therefore, CAR 01 was closed.

Table 3: Forward Action Requests

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