



VCS VERIFICATION REPORT

THREE GORGES NEW ENERGY JIUQUAN CO., LTD GUAZHOU 100MW SOLAR POWER PROJECT

(VCS PROJECT ID: 1444)



Document Prepared By

Shenzhen CTI International Certification Co., Ltd.

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Summary:

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the verification of the emission reductions reported for the project activity “Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project” (VCS Project ID: 1444) for the monitoring period 01/09/2021 to 31/08/2022, 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 4.3.

The verification was performed on the basis of VCS Programme Guide version 4.2 and VCS Standard version 4.3 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, no CL or 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 24/10/2022) are fairly stated. The GHG emission reductions of the period were calculated correctly on the basis of approved methodology ACM0002 “Grid-connected electricity generation from renewable sources” (Version 16.0) and the monitoring plan contained in the registered VCS PD (version 02 dated 22/05/2015).

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.

Hence, CTI is able to certify that the emission reductions from the "Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project" during the period amount to 124,446 tCO₂e.

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1 INTRODUCTION

Climate Bridge (Shanghai) Ltd. has commissioned Shenzhen CTI International Certification Co., Ltd (CTI) to carry out the verification and certification of emission reductions reported for the “Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project” (the project) for the period 01/09/2021 to 31/08/2022. 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 “Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project” for the period 01/09/2021 to 31/08/2022.

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 4.2) /26/
- VCS Standard (version 4.3) /25/ and other relevant requirements defined by Verra;
- The approved methodology ACM0002 (Version 16.0) /29/ applied by the project.

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

1.3 Level of Assurance

The verification report expresses a conclusion with a reasonable level of assurance about whether the reported GHG emissions reduction data is free from material misstatement. CTI applied a materiality threshold of 5% (for projects with $ER \leq 300,000$ tCO₂e per year) with respect to emission or misstatements concerning reported quantities as per VCS standard (i.e. para 3.9.1 and 4.1.8 (4) of VCS Standard, v4.3).

1.4 Summary Description of the Project

Sectoral Scope and Project Type

According to the VCS Program Guide (version 4.2) /26/, the project is applicable under the following activity categories:

- Sectoral Scope: 1. Energy (Renewable/non-renewable).
- Project type: solar photovoltaic power generation project.

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:	Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project
Project proponent:	Three Gorges New Energy Jiuquan Co., Ltd. (China)
Project location:	Solar Power Industry Zone, Guazhou County, Jingyuan City, Gansu Province of China
VCS Project ID:	1444
Applied methodology:	ACM0002 Version 16.0
VCS project crediting period:	30/12/2013 to 29/12/2023 (the first VCS crediting period)
VCU verification period:	01/09/2021 to 31/08/2022

2 VERIFICATION PROCESS

2.1 Method and Criteria

The verification was performed through means of the following three phases in accordance with the requirement of the registered VCS PD (version 02 dated 22/05/2015), the applied methodology, and the VCS Standard (version 4.3) 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	Zhang Lei	1,4,13	☒ DR ☒ SV ☒ RP ☐ TR
Technical Reviewer	Lin Wu	1, 2, 3, 4, 5, 10, 11, 12, 13	☒ DR ☐ SV ☐ RP ☒ TR

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

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

- registered VCS PD (version 02 dated 22/05/2015) /11/;
- Validation Report of registered VCS PD (version 01 dated 01/06/2015) /18/;
- VCS Verification Report for monitoring period from 01/01/2018 to 30/06/2020 (version 01.0 dated 28/07/2020) /12/;

- VCS Verification Report for monitoring period from 01/07/2020 to 31/08/2021 (version 01.0 dated 30/12/2021) /20/;
- Baseline and monitoring methodology ACM0002 applied by the project/29/;
- Relevant decisions, clarifications and guidance from the Verra/25/-/28/; 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 21/10/2022, CTI visited Three Gorges New Energy Jiuquan 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 Zhiqiang	Plant director	Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project	Operation of the project activity; Implementation of the monitor plan of the project activity; Data collection, QA/QC and data achievement; Calibration of meters and equipment maintenance; SDG contribution of the project activity;
Mr. Zhang Junchang	Operation staff		
Mr. Liu Gang	Operation staff		
Mr. Fu Hongjun	Staff	Electricity Trading Center, State Grid Gansu Power Grid Company	The transaction of electricity export and import; The operation, maintenance and calibration of electricity meter;
Mr. Liu Shaoxing	Villager	Local resident	The impact of the project activity; SDG contribution of the project activity; The complaint by local stakeholders; The stakeholder consultation during the operation of the project activity.
Ms. Wang Yuqing	Villager	Local resident	
Mr. Li Baoge	Villager	Local resident	
Ms. Ha Xiaomei	Villager	Local resident	
Mr. Liu Jun	Vice Director	Guazhou County Ecological Environmental Protection Comprehensive Law Enforcement Brigade	
Ms. Ding Wenjun	Project Manager	Climate Bridge (Shanghai) Ltd.	

2.4 Site Inspections

The verification team performed the on-site verification (Solar Power Industry Zone, Guazhou County, Jingyuan City, Gansu Province of China) on 21/10/2022. 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 VCS PD;

- A review of information flows for generating, aggregating and reporting the monitoring parameters;
- Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the VCS PD;
- 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 VCS PD and the selected methodology;
- A review of calculations and assumptions made in determining the GHG data and emission reductions; and
- An identification that quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

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 Three Gorges New Energy Jiuquan 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 16.0), 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 no CL and 1 CAR 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 /12/, and no FAR was raised during this verification.

2.6 Eligibility for Validation Activities

The registered VCS PD was validated by TÜV NORD CERT GmbH on 01/06/2015 /18/. The previous VCS verification was carried out by Shenzhen CTI International Certification Co., Ltd. on 30/12/2021 /12/ under VCS Standard version 4.1. The proposed monitoring period 01/09/2021 to 31/08/2022 is 5th VCS verification, and CTI just undertook verification activities for the project according to the VCS Program Guide. This section is thus not applicable.

Furthermore, CTI conducted verification less than six consecutive years and thereby is in compliance with para 4.1.20 of VCS standard version 4.3, which stated that “A validation/verification body may not verify more than six consecutive years of a project’s GHG emission reductions or removals”.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project was validated by TÜV NORD CERT GmbH on 01/06/2015 under VCS scheme for registration /17/. CTI only performed verification activities on the proposed monitoring period for the project according to the VCS Program Guide. By checking UNFCCC website, REC Mechanism database of China, Chinese Emission Trading System (Chinese ETS) and Chinese Certified Emission Reduction Mechanism, it is confirmed that the project activity is not accredited / registered under CDM, China’s REC mechanism, Chinese ETS, or CCER mechanism. The VERs issued or applied by the project activity were:

Period		The net electricity delivered to CCPG	GHG Emission Reductions	Credit	Program
From	To	MWh	tCO ₂ e	VCUs	VCS
30/12/2013	29/08/2015	210,316.200	174,793	VCUs	VCS
30/08/2015	31/12/2017	158,858.500	132,027	VCUs	VCS
01/01/2018	30/06/2020	216,412.018	179,858	VCUs	VCS
01/07/2020	31/08/2021	182,884.732	151,995	VCUs	VCS
01/09/2021	31/08/2022	149,737.412	124,446	In requesting for VCUs	VCS

Besides, by checking the information of I-REC (international renewable energy certificates) from the following website: <http://www.irecstandard.org/>, the verification team confirmed I-REC issued the during the first VCS crediting period which started from 30/12/2013 were listed as follows:

Details of the project		Monitoring periods for I-REC	Details of I-REC	
Project title	Device ID		Volumes (MWh)	Issue ID
Guazhou Solar	GUAZSOL1	01/09/2015~31/12/2015	27,654	PPENG-2016-0525-0434-37
Guazhou Solar	GUAZSOL1	01/01/2016~30/04/2016	32,351	PPENG-2016-0525-0448-09
Guazhou Solar	GUAZSOL1	01/05/2016~12/05/2016	3,564	PPENG-2017-0110-0231-58
Guazhou Solar	GUAZSOL1	01/01/2017~11/01/2017	2,826	PPENG-2017-0705-0901-32
Guazhou Solar	GUAZSOL1	12/01/2017~12/01/2017	221	PPENG-2017-0713-0155-07
Guazhou Solar	GUAZSOL1	01/01/2018~10/05/2018	47,598	PPENG-2018-1218-0812-57
Guazhou Solar	GUAZSOL1	01/01/2019~29/05/2019	49,374	PPENG-2019-0625-1341-19
Guazhou Solar	GUAZSOL1	30/05/2019~26/08/2019	39,337	PPENG-2019-0925-0630-45

By checking verification reports of previous monitoring period, it is confirmed that for the period when I-RECs were claimed, VCU's are not claimed, that is to say, VCU's and I-RECs are not claimed in the same period and the emission reductions are not double counted. Also, through interviewing with project developer, the verification team verified that during the first VCS crediting period from 30/12/2013 to 29/12/2023, the project would claim only for VCU's or I-RECs. As confirmed with PP during site visit, both VCU's and I-RECs will not be claimed in the same period and therefore the project activity has no double counting for the emission reductions. The emission reduction resulted from the project during this monitoring period would only apply for VCU's.

3.2 Methodology Deviations

The validation process /18/ has assessed all factors and issues that constitute the basis for emission reductions from the project according to the applicable CDM methodology ACM0002 (Version 16.0) /29/. There was not any methodology deviation applied to this project. Details refer to section 4.1.

3.3 Project Description Deviations

There is a project description deviation in relation with the coordinates of the project activity. By checking the registered VCS PD, the verification team confirmed that the coordinates of the project activity was:

Latitude: 40°36'21.40" - 40°37'502.90"N, Longitude: 96°24'6.30" - 96°25'38.30"E.

However, through site inspection, the verification team confirmed that the coordinates of the project activity was:

Latitude: 40°36'21.40" - 40°37'02.90"N

Longitude: 96°24'6.30" - 96°25'38.30" E

The deviation of the project description does not change the nature of the project activity.

3.4 Grouped Project

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

4 VERIFICATION FINDINGS

This section summarises the findings from the verification of the emission reductions reported for the “Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project” for the period 01/09/2021 to 31/08/2022.

4.1 Project Implementation Status

Project Implementation in accordance with the registered VCS PD

The project is a grid-connected solar photovoltaic power plant, which is located in Solar Power Industry Zone, Guazhou County, Jingyuan City, Gansu Province of China. The installed capacity of the project is 100.39MW, consisting of 294,315 pieces of solar photovoltaic modules with unit capacity of 250 W and 105,144 pieces of solar photovoltaic modules with unit capacity of 255 W, while the capacity of inverters and box transformers is 100 MW. The average annual power delivered to the grid by the project is expected to be 151,855 MWh. The actual implementation of the project during this verification period was verified in terms of name plate capacities of solar modules and monitoring equipment. The details of solar modules with respect to installation and capacity have been verified to be consistent with description indicated in the registered VCS PD. The project started construction on 22/09/2013 and the project activity was put into operation on 30/12/2013, which has been verified by site visit interview, checking VCS Verification Report (version 01.0 dated 28/07/2020) /12/. The electricity generated by the project activity was supplied to Northwest Power Grid (NWPG), which can be confirmed by the Power Purchase Agreement (PPA) signed between the project developer and State Grid Gansu Power Grid Company /3/. The project start date was identified as 30/12/2013 when the project started to operate and began generating GHG emission reductions. The project was registered under VCS version 3.

The technical parameters have been verified with the nameplates /17/ and Technical Specification of Equipment Contract /10/ as below:

Photovoltaic Modules	CS6P-250P	CS6P-255P
Manufacturer	Changshu Artes sunshine Power Technology Co., Ltd.	
Quantity	294,315	105,144
Rated maximum power (Wp)	250	255
Rated Power Voltage (V)	30.1	30.2
Rated Power Current (A)	8.30	8.43
Open circuit voltage (V)	37.2	37.4
Life time (years)	25	25

Decay rate in 25 years (%)	≤ 20	≤ 20
Conversion Efficiency (%)	15.54	15.54

Inverter	SG500MX	EP-0500-A
Manufacturer	Sungrow Power Supply Co., Ltd.	Wuxi Sineng New Energy Co., Ltd
Quantity	98	102
Rated output Power (kW)	500	500
Rated output Voltage (V)	3 ~ 315	315
Rated output frequency (Hz)	50	50
Max. output current (A)	1,008	1,008

Box transformer	ZGS-Z.G-1000/38.5	YBF-1000/40.5	ZGSF11-Z.G-1000/35
Manufacturer	Ningbo Tian'an Transformer Co., Ltd.	Sunel Transformer Co., Ltd.	Jiangsu Huapeng Transformer Co., Ltd.
Quantity	40	30	30
Rated capacity (kVA)	1,000	1,000	1,000
Rated Voltage (V)	38,500±2×2.5/315/315	40,500	38,500±2×2.5/315/315

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 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 registered VCS PD (version 02 dated 22/05/2015).

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

- the monitoring plan contained in the registered VCS PD (version 02 dated 22/05/2015) is in accordance with the approved methodology applied by the project activity, i.e. ACM0002 (Version 16.0);
- the project implementation is in accordance with the registered VCS PD (version 02 dated 22/05/2015);
- all the monitoring system in operation period is in accordance with the registered VCS PD (version 02 dated 22/05/2015);
- all physical features of the proposed project activity including data collection systems and storage systems have been implemented in accordance with the registered VCS PD (version 02 dated 22/05/2015) through visual inspection and document review.

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

The project was validated by TÜV NORD CERT GmbH on 01/06/2015 under VCS scheme for registration /17/. CTI only performed verification activities on the proposed monitoring period for the project according to the VCS Program Guide. The VERs issued or applied by the project activity were:

Period		The net electricity delivered to CCPG	GHG Emission Reductions	Credit	Program
From	To	MWh	tCO ₂ e	VCUs	VCS
30/12/2013	29/08/2015	210,316.200	174,793	VCUs	VCS
30/08/2015	31/12/2017	158,858.500	132,027	VCUs	VCS
01/01/2018	30/06/2020	216,412.018	179,858	VCUs	VCS
01/07/2020	31/08/2021	182,884.732	151,995	VCUs	VCS
01/09/2021	31/08/2022	149,737.412	124,446	In requesting for VCUs	VCS

Firstly, the verification team checked UNFCCC website, 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 CDM, China's 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.

Secondly, as per "Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management" /21/ 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.

Therefore, the verification team confirmed that the project only applies VCUs under VCS standard, and no rejection from VCS standard occurs.

Thirdly, CTI checked the information of I-REC (international renewable energy certificates) from the following website (<http://www.irecstandard.org/>) for other forms of environmental credits applied or issued for the project activity and was identified that I-REC have been issued the during the first VCS crediting period started from 30/12/2013. The details were listed as follows:

Details of the project		Monitoring periods for I-REC	Details of I-REC	
Project title	Device ID		Volumes (MWh)	Issue ID
Guazhou Solar	GUAZSOL1	01/09/2015~31/12/2015	27,654	PPENG-2016-0525-0434-37
Guazhou Solar	GUAZSOL1	01/01/2016~30/04/2016	32,351	PPENG-2016-0525-0448-09
Guazhou Solar	GUAZSOL1	01/05/2016~12/05/2016	3,564	PPENG-2017-0110-0231-58
Guazhou Solar	GUAZSOL1	01/01/2017~11/01/2017	2,826	PPENG-2017-0705-0901-32
Guazhou Solar	GUAZSOL1	12/01/2017~12/01/2017	221	PPENG-2017-0713-0155-07
Guazhou Solar	GUAZSOL1	01/01/2018~10/05/2018	47,598	PPENG-2018-1218-0812-57
Guazhou Solar	GUAZSOL1	01/01/2019~29/05/2019	49,374	PPENG-2019-0625-1341-19
Guazhou Solar	GUAZSOL1	30/05/2019~26/08/2019	39,337	PPENG-2019-0925-0630-45

SD contributions resulted by implementation of the project activity

By checking the registered VCS PD (version 02 dated 22/05/2015), 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, the verification team 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 124,446tCO₂e. By checking VERRA website (<https://registry.verra.org/app/projectDetail/VCS/1444>), it is confirmed that the cumulative Contributions Over Project Lifetime since project start date, i.e. 30/12/2013, were 763,119tCO₂e 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 NWPG was 149,737.412MWh. By checking VERRA website (<https://registry.verra.org/app/projectDetail/VCS/1444>), it is confirmed that the cumulative Contributions Over Project Lifetime since project start date, i.e. 30/12/2013, were 1,121,133.862 MWh renewable energy supplied to NWPG.

- **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 Employment Contracts and Salary Records /11/, it is confirmed that since operation of the project activity, 15 long term (3 females and 12 males) working opportunities are provided.

The verification team confirmed that there is no proposed or actual change to the registered VCS PD (version 02 dated 22/05/2015) during this monitoring period. All required equipments and procedures are available and implemented in an appropriate manner. All necessary monitoring instruments are installed. All required instruments including standby and operating procedures for the same have been implemented in an appropriate manner. The project is completely operational and the same has been confirmed on-site. Neither mistakes nor malfunction on meters have been observed during this monitoring period.

4.2 Safeguards

4.2.1 No Net Harm

By checking the EIA summary and conclusion provided in the registered VCS PD (version 02 dated 22/05/2015), it is confirmed that solar photovoltaic (PV) power is green power and the impact caused by solar photovoltaic (PV) 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

As per the registered VCS PD (version 02 dated 22/05/2015), the local stakeholder's consultation was conducted. During the stakeholder's consultation, a one page questionnaire which was designed to be easily filled in Were distributed. 30 participants filled in the questionnaires included local residents and members of the local government and authorities. The opinions expressed by the stakeholders were recorded and are available on request.

The survey showed that the project receives strong support from the local community. They all believe the project will provide job opportunities and promote local economic development and agree with the project development and construction.

Communications with local stakeholders were carried out at periodic intervals. During this monitoring period, 20 questionnaires /23/ were distributed by PP on 15/08/2022. By checking the same, it is confirmed that no comments were received. Furthermore, 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, on one hand, key implementation schedules or changes of the project will be reported to the local authority, who will

inform the neighbourhood committee and the local residents, the comments and suggestions from residents will be collected by the local authority and inform the project developer; on the other hand, local authority has conducted spot checks on the implementation of the project periodically as per the request from the local governments' regulations. Besides, a opinion collection box was placed by the project owner to collect stakeholders comments. By checking the same during site visit, it is confirmed that no comments were received from local stakeholders.

Furthermore, through interviewing with staff from local environmental protection bureau and local residents during the site visit, 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.

All such conclusion has been verified through site visit and check registered VCS PD (version 02 dated 22/05/2015) and MR (version 2.0 dated 24/10/2022).

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 registered VCS PD (version 02 dated 22/05/2015). 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 16.0) 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 in further verified in the following sections.

Parameters monitored

According to the registered VCS PD (version 02 dated 22/05/2015), 3 parameters were monitored for the project, which was:

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

Electricity generated by this project is sent to Gansu power grid, which is part of the Northwest Power Grid (NWPG). Finally the electricity is supplied to the Northwest Power Grid (NWPG) of China. $EG_{\text{facility},y}$ is calculated by following formula: $EG_{\text{facility},y} = EG_{\text{export},y} - EG_{\text{import},y}$

✓ Quantity of the electricity delivered to the grid by the project in year y ($EG_{\text{export},y}$)

2 bi-directional electricity meters (M1 and M2) installed at respectively the onsite 110kV substation and Bulongji 330kV Substation respectively was measured continuously, recorded monthly and

archived electronically. Through interviewing the project developer and checking PPA, the verification team confirmed meter M1 is owned, operated and maintained by the project owner while meter M2 is owned, operated and maintained by the grid company. Since meter M2 is owned by local power grid company and out of project owner's reach, the readings from meter M1 are used to monitor. And the conservative value between meter reading M1 and electricity sales receipts (based on meter reading of M2) are used for ER calculation.

By checking the operation log /6/ and interview with project developer during site visit, it is confirmed that during this monitoring period, meter M1 is working well and has no malfunction. By checking the Electricity Sales Receipts /8/ and interviewing with project developer during site visit, it is confirmed that the cut-off time was 24:00 hr of last day of each month in this monitoring period. At the cut-off time, the staff from project developer read the meter reading of M1, while staff from the grid company read the meter reading of M2. The project developer will afterwards form Monthly Reading Records (MRRs) /7/ while the grid company transcribes the data into Electricity Sales Receipts /8/. $EG_{\text{export},y}$ was sourced from Meter Reading Records (MRRs) /7/ and Electricity Sales Receipts /8/ covering monitoring period. The conservative data between MRRs and Electricity Sales Receipts will be used to calculate the emission reductions.

✓ **Quantity of the electricity imported from the grid by the project in year y ($EG_{\text{import},y}$)**

2 bi-directional electricity meters (M1 and M2) installed at respectively the onsite 110kV substation and Bulongji 330kV Substation respectively was measured continuously, recorded monthly and archived electronically. Through interviewing the project developer and checking PPA, the verification team confirmed meter M1 is owned, operated and maintained by the project owner while meter M2 is owned, operated and maintained by the grid company. Since meter M2 is owned by local power grid company and out of project owner's reach, the readings from meter M1 are used to monitor. And the conservative value between meter reading M1 and electricity sales receipts (based on meter reading of M2) are used for ER calculation.

By checking the operation log /6/ and interview with project developer during site visit, it is confirmed that during this monitoring period, meter M1 is working well and has no malfunction. By checking the Electricity Purchase Receipts /9/ and interviewing with project developer during site visit, it is confirmed that the cut-off time was at 24:00 hr of last day of the month. At the cut-off time, the staff from project developer read the meter reading of M1, while staff from the grid company read the meter reading of M2. The project developer will afterwards form Monthly Reading Records (MRRs) /7/ while the grid company transcribes the data into Electricity Purchase Receipts /9/. $EG_{\text{import},y}$ was sourced from Meter Reading Records (MRRs) /7/ and Electricity Purchase Receipts /9/ covering monitoring period. The conservative data between MRRs and Electricity Purchase Receipts will be used to calculate the emission reductions.

Monitoring equipment and calibration

Meter M2 is owned, operated and maintained by the grid company. The grid company is responsible for the calibration of meter M2. However, The calibration information of meter M2 is not available to the

project developer. As verified through interviewing with staff from local power grid during site visit , it is confirmed the meter M2 was calibrated periodically as per relevant industrial standard by the grid company and the meter was under normal operation during this monitoring period.

Meter M1 has 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 meter's calibration is listed as below.

Meter	Serial Number	Type	Accuracy Class	Calibration Frequency	Calibration Date	Validity
Meter M1	41600811	WU.TE432q	0.2s	Annually	05/11/2020	04/11/2021
					01/11/2021	31/10/2022

Meter M1 was calibrated by Electric Energy Measurement Center, State Grid Gansu Electric Power Research Institute. Calibration records and accreditation certificates /14//15/ have been verified by the verification team. The accuracy of meter is comply with that in the registered VCS PD (version 02 dated 22/05/2015). By checking the industrial metering configuration standard “Technical Administrative Code of Electric Energy Metering” /16/, CTI can confirm that the accuracy level of meter meet the requirement stipulated in this standard. CTI can thus confirm that the accuracy of the meter is in line with the registered VCS PD (version 02 dated 22/05/2015) and relevant industry standard.

In the monitoring plan of the registered VCS PD (version 02 dated 22/05/2015), it is stated that the meter will be calibrated and checked annually for accuracy. By checking the calibration reports, CTI found the calibration frequency of electricity meter is annual, which is in line with the calibrating standard “Technical Administrative Code of Electric Energy Metering” /16/. Hence, CTI can confirm that the meter's calibration frequency is in line with the monitoring plan of the registered VCS PD (version 02 dated 22/05/2015) and relevant industry standard, and the calibrations are verified to be valid for the whole reporting period.

Data management and control

The project developer 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.

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.

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:

$$ER_y = BE_y - PE_y$$

✓ Baseline emissions

Baseline reductions are determined as multiplying Quantity of net electricity generation supplied by the project plant to the grid in year y ($EG_{\text{facility},y}$) by the validated ex-ante fixed grid emission factor ($EF_{\text{grid},\text{CM},y}$).

$$BE_y = EG_{\text{facility},y} \times EF_{\text{grid},\text{CM},y} = (EG_{\text{export},y} - EG_{\text{import},y}) \times EF_{\text{grid},\text{CM},y}$$

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

The parameters determine $EF_{\text{grid},\text{CM},y}$ is monitored ex-ante in the registered VCS PD (version 02 dated 22/05/2015). In this monitoring report, parameter $EF_{\text{grid},\text{CM},y}$ is determined ex-ante by China DNA, which is comply with the registered VCS PD (version 02 dated 22/05/2015). EF is the grid emission factor that has been verified ex-ante in the validation stage in the registered VCS PD (version 02 dated 22/05/2015) as 0.8311 tCO₂e/MWh.

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

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

$EG_{\text{export},y}$ and $EG_{\text{import},y}$ are determined by readings of meter M1 and M2. Data in the Electricity sales and purchase receipts were used to cross-checked with that in the Monthly Reading Records (MRRs). The most conservative values have been applied to calculate the quantity of net electricity generation supplied by the project.

Period	EG _{export,y} (MWh)			EG _{import,y} (MWh)			EG _{facility,y} (MWh)
	MRRs	Sales Receipts	Conservative value	MRRs	Purchase Receipts	Conservative value	
01/09/2021-30/09/2021	14,283.100	14,142.480	14,142.480	104.500	99.000	104.500	14,037.980
01/10/2021-31/10/2021	12,128.900	12,013.870	12,013.870	122.800	132.000	132.000	11,881.870
01/11/2021-30/11/2021	11,328.200	11,218.130	11,218.130	140.400	132.000	140.400	11,077.730
01/12/2021-31/12/2021	11,471.600	11,357.720	11,357.720	165.400	165.000	165.400	11,192.320
Subtotal in 2021	49,211.800	48,732.200	48,732.200	533.100	528.000	542.300	48,189.900
01/01/2022-31/01/2022	11,572.392	11,458.480	11,458.480	166.182	176.000	176.000	11,282.480
01/02/2022-28/02/2022	12,041.304	11,922.460	11,922.460	138.226	132.000	138.226	11,784.234
01/03/2022-31/03/2022	10,565.720	10,463.200	10,463.200	109.032	110.000	110.000	10,353.200
01/04/2022-30/04/2022	14,504.688	14,365.010	14,365.010	92.180	99.000	99.000	14,266.010
01/05/2022-31/05/2022	13,722.896	13,589.730	13,589.730	85.162	77.000	85.162	13,504.568
01/06/2022-30/06/2022	12,831.632	12,709.950	12,709.950	80.564	77.000	80.564	12,629.386
01/07/2022-31/07/2022	14,649.800	14,510.760	14,510.760	109.670	121.000	121.000	14,389.760
01/08/2022-31/08/2022	13,585.792	13,455.530	13,455.530	117.656	110.000	117.656	13,337.874
Subtotal in 2022	103,474.224	102,475.120	102,475.120	898.672	902.000	927.608	101,547.512
Total (01/09/2021-31/08/2022)	152,686.024	151,207.320	151,207.320	1,431.772	1,430.000	1,469.908	149,737.412

Hence, the corresponding baseline emission reductions are calculated as:

Period	EG _{facility,y}	EF _{grid,CM,y}	BE _y
	MWh	tCO ₂ /MWh	tCO ₂
01/09/2021~31/12/2021	48,189.900	0.8311	40,050
01/01/2022~31/08/2022	101,547.512	0.8311	84,396
Total	149,737.412	/	124,446

✓ Project emissions

According to the registered VCS PD (version 02 dated 22/05/2015) and through site inspection, it is confirmed the project activity is a solar photovoltaic power plant. As per registered VCS PD (version 02 dated 22/05/2015) and ACM0002 “Grid-connected electricity generation from renewable sources”, version 20.0, the project emission (PE_y) = 0 tCO₂e.

✓ Leakages

Leakage does not need to be accounted for this project as per the registered VCS PD (version 02 dated 22/05/2015).

✓ Emission reductions

The emission reductions for this monitoring period was calculated as:

Monitoring period	GHG emission reductions or removals (tCO ₂ e)
01/09/2021~31/12/2021	40,050
01/01/2022~31/08/2022	84,396
Total ERs claimed (in 365 days)	124,446

Comparison of actual emission reductions or net anthropogenic GHG removals by sinks with estimates in validated VCS PD

The emission reductions claimed are 124,446 tCO₂e in this monitoring period. As per the registered PD (version 02 dated 22/05/2015), the annual emission reduction in 2021 and 2022 are respectively 122,893 tCO₂e and 121,558 tCO₂e. Therefore, the estimated emission reduction in the monitoring period is 121,997 tCO₂e (calculated as 122,893 tCO₂e * 120days / 365days + 121,558 tCO₂e * 245days / 365days).

Compared with expected emission reductions 121,997 tCO₂e, the reported emission reductions in this monitoring period are 2.01% higher than the expected. By checking public information /24/, it is confirmed this is because this monitoring period covers one peak sunshine period, which is from June

to August in 2022. Moreover, when considering actual annual electricity generation in this monitoring period in the financial analysis, the IRR of the project is still under the benchmark.

CTI is able to confirm that the actual power supply and also emission reductions reported in this monitoring period are reasonable and appropriate. CTI verified the input data for calculating emission reductions and the calculating process, and confirmed the result were complete and transparent.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

All necessary documentations are collected, referenced and aggregated, which is easily accessible in hard-copy or electronic format. Measurements are performed by calibrated equipment, and the key data can also be cross-checked via other sources, such as records, receipts and inventory data. No assumptions are used that have any material influence on reported emission reductions.

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

4.6 Non-Permanence Risk Analysis

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

5 VERIFICATION CONCLUSION

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the verification of the emission reductions that have been reported for the project activity “Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project” in China (VCS Project ID: 1444) for the period 01/09/2021 to 31/08/2022.

The verification is based on the baseline and monitoring methodology ACM0002 (Version 16.0), registered VCS PD (version 02 dated 22/05/2015) and the monitoring report (version 2.0 dated 24/10/2022). 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 Standard version 4.3 and relevant UNFCCC requirements. Our approach is risk-based, drawing on an

understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. The verification can confirm that:

- the project is implemented and operated as per the VCS PD;
- the monitoring plan in VCS PD is as per the applied methodology;
- the monitoring complies with the monitoring plan in the VCS PD;
- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable VCS Standard version 4.3 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 "Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project" for the period 01/09/2021 to 31/08/2022 are fairly stated in the monitoring report (version 2.0 dated 24/10/2022). The GHG emission reductions were calculated correctly on the basis of the approved methodology ACM0002 (Version 16.0) and the monitoring plan contained in the registered VCS PD (version 02 dated 22/05/2015).

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 01/09/2021 to 31/08/2022

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

Year	Baseline	Project emissions	Leakage	Net GHG
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	emissions or removals (tCO ₂ e)	or removals (tCO ₂ e)	emissions (tCO ₂ e)	emission reductions or removals (tCO ₂ e)
01/09/2021~31/12/2021	40,050	0	0	40,050
01/01/2022~31/08/2022	84,396	0	0	84,396
Total	124,446	0	0	124,446

Zhang Lei

Mr. Zhang Lei

Team Leader

31/10/2022

Wu Lin

Mr. Lin Wu

Technical Reviewer

31/10/2022

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	Shenzhen CTI International Certification Co., Ltd
DOE	Designated Operational Entity
EF	Emission Factor
ER	Emission Reduction
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
MP	Monitoring Period
MR	Monitoring Report
NWPG	Northwest 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/ Climate Bridge (Shanghai) Ltd.: VER/VCU Monitoring Report for Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project, version 1.0 dated 27/09/2022, version 2.0 dated 24/10/2022.
- /2/ Climate Bridge (Shanghai) Ltd.: Emission reduction calculation spreadsheet for Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project
- /3/ Three Gorges New Energy Jiuquan Co., Ltd. and State Grid Gansu Power Grid Company: Power Purchase Agreement for Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project.
- /4/ Three Gorges New Energy Jiuquan Co., Ltd.: VER monitoring manual and management procedure.
- /5/ Three Gorges New Energy Jiuquan Co., Ltd.: Records of training for on-site staff.
- /6/ Three Gorges New Energy Jiuquan Co., Ltd.: Operation log, from 01/09/2021 to 31/08/2022.
- /7/ Three Gorges New Energy Jiuquan Co., Ltd.: Monthly reading records (MMRs) of Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project from 01/09/2021 to 31/08/2022.
- /8/ State Grid Gansu Power Grid Company: Sales Receipts of Electricity supplied by the project activity to the grid from 01/09/2021 to 31/08/2022.
- /9/ State Grid Gansu Power Grid Company: Purchase Receipts of Electricity imported by the project activity from the grid from 01/09/2021 to 31/08/2022.
- /10/ Technical Specification of Equipment Contract signed between Three Gorges New Energy Jiuquan Co., Ltd. and Sunshine Power Co., Ltd., Wuxi Enterprise New Energy Co., Ltd. and Changshu Atrs Sunshine Power Technology Co., Ltd..
- /11/ Climate Bridge (Shanghai) Ltd.: Registered VCS PD version 02 dated 22/05/2015.
- /12/ LGAI Technological Center, S.A. (Applus+ Certification): VCS Verification Report of monitoring period from 01/01/2018 to 30/06/2020, version 01.0 dated 28/07/2020.
- /13/ Climate Bridge (Shanghai) Ltd.: VER/VCU Monitoring Report for Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project of monitoring period from 01/01/2018 to 30/06/2020, version 2.0 dated 27/07/2020.

- /14/ Gansu Provincial Quality and Technical Supervision Bureau: Accreditation certificate of Electric Energy Measurement Center, State Grid Gansu Electric Power Research Institute valid till 28/09/2022.
- /15/ Electric Energy Measurement Center, State Grid Gansu Electric Power Research Institute: Calibration certificates for meters covering this monitoring period.
- /16/ State Economic and Trade Commission: Technical administrative code of electric energy metering (DL/T 448-2016).
- /17/ Three Gorges New Energy Jiuquan Co., Ltd.: nameplate of the equipment
- /18/ TÜV NORD CERT GmbH: the Validation Report of registered VCS PD, version 01 dated 01/06/2015.
- /19/ Climate Bridge (Shanghai) Ltd.: VER/VCU Monitoring Report for Three Gorges New Energy Jiuquan Co., Ltd Guazhou 100MW Solar Power Project of monitoring period from 01/07/2020 to 31/08/2021, version 1.1 dated 25/10/2021
- /20/ Shenzhen CTI International Certification Co., Ltd.: Verification report of monitoring period from 01/07/2020 to 31/08/2021, version 01.0 dated 30/12/2021
- /21/ “Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management” issued by National Development and Reform Committee of P.R.China
- /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/ Questionnaires distributed by PP on 15/08/2022
- /24/ Public information of solar radiation in project location

Methodologies, tools and other guidance

- /25/ Verified Carbon Standard: VCS Standard, version 4.3.
- /26/ Verified Carbon Standard: VCS Program Guide, version 4.2.
- /27/ Verified Carbon Standard: VCS Sectoral Scopes
- /28/ Verified Carbon Standard: Registration and Issuance Process, version 4.3.
- /29/ UNFCCC EB: Approved methodology, ACM0002, Version 16.0

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

Table 1: Corrective Action Requests

CAR ID	Corrective Action Request	Response by Project Proponent	Verification Team Assessment
01	As per Instructions for Completing the Monitoring Report, any project description deviations applied in previous monitoring reports should be described and reported. A project deviation was identified in previous monitoring report, please supplement the same.	The project description deviations applied in previous monitoring reports has been supplemented to the monitoring report.	By checking updated MR, it is confirmed the project description deviation for coordinates of the project has been supplemented. This deviation is applicable to either previous or this monitoring period. Therefore, CAR 01 was closed.

Table 2: Clarification Requests

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

Table 3: Forward Action Requests

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