

**Verification report for
GS4GG project activities**
(Gold Standard for the Global Goals)
VERIFICATION AND CERTIFICATION REPORT

Title of the project activity	Dongdongtan 9MWp Solar PV Project
Reference number of the project activity	GS 2680
Version number of the verification and certification report	02
Completion date of the verification and certification report	11/11/2022
Monitoring period number and duration of this monitoring period	MP number: 2nd MP duration: 21/07/2019 to 07/12/2020 (both days included)
Version number of monitoring report to which this report applies	2.1
Crediting period of the project activity corresponding to this monitoring period	1 st crediting period: 08/12/2013 to 07/12/2020 (both days included)
Project participant(s)	Three Gorges New Energy Jiuquan Power Generation Co., Ltd. (the project owner) Climate Bridge (Shanghai) Ltd.
Host Party	P.R.China
Activity Requirements applied	☐ Community Services Activities ☒ Renewable Energy Activities ☐ Land Use and Forestry Activities/Risks & Capacities ☐ N/A
Methodology (ies) applied and version number	AMS I.D. "Grid connected renewable electricity generation" (Version 17.0)
Product Requirements applied	☒ GHG Emissions Reduction & Sequestration ☐ Renewable Energy Label ☐ N/A
SDG Contributions targeted (as per approved PDD)	Goal 8: Decent Work and Economic Growth Goal 7: Affordable and Clean Energy Goal 13: Climate Reductions

Estimated amount of annual average certified SDG impact (as per approved PDD)	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all (SDG 8)	8 long-term jobs will be created for local people with salary higher than local average level and trainings will be provided to employees. The Project organise training for the staff on the technology and the monitoring of the plant operation, and the emergency and safety procedures.
	Ensure access to affordable, reliable, sustainable and modern energy (SDG 7)	14,440 MWh clean power will be generated annually, ensuring the access to electricity for local household.
	Climate Reductions (SDG 13)	12,373 tCO ₂ e emission reductions per year
Total amount of certified SDG impact (as per approved methodology) achieved in this monitoring period	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all (SDG 8)	8 long-term jobs have been created for local people with 144,751 CNY average yearly salary and 6 times trainings have been provided to employees.
	Ensure access to affordable, reliable, sustainable and modern energy for all (SDG 7)	17,511.930 MWh clean power have been generated, ensuring the access to electricity for local household.
	Climate Reductions (SDG 13)	15,004 tCO ₂ e emission reductions.
Name of VVB	Shenzhen CTI International Certification Co., Ltd (CTI)	
Name, position and signature of the approver of the verification and certification report	Li Ziqi  Technical Reviewer/Approver	

SECTION A. Executive summary

The project activity - Dongdongtan 9MWp Solar PV Project uses renewable solar energy to generate electricity displacing fossil fuel dominated electricity generation in power grid and thus resulting in greenhouse gases emission reductions. The installed capacity is 9.009MWp which consists of 36,036 pieces of the polycrystalline silicon solar cell modules with unit capacity of 250Wp. The annually 14,440 MWh power supplied to the Northwest China Power Grid (NWPG), which is mainly dominated by fossil fuel power output. By displacing part of the power generated by thermal power plants. The operation of the project activity helps to reduce greenhouse gas (GHG) emissions by an estimated annual average of 12,373 tCO₂e per year during the first crediting period. The emission reductions for the current 2nd monitoring period from 21/07/2019 to 07/12/2020 is 15,004 tCO₂e.

Scope of Verification

This verification is an independent and objective review and ex-post determination of the monitored reductions in GHG emissions by the VVB. The verification addresses the implementation and operation of the GS PA and tests the data and assertions set out in the monitoring report based on the following:

- (i) The registered GS PDD /3/,
- (ii) The registered GS Passport /4/,
- (iii) The approved methodology mentioned in the PDD, AMS I.D. "Grid connected renewable electricity generation" (version 17.0) /18/,
- (iv) The Gold Standard for the Global Goals Principles and Requirements /20/,
- (v) The Gold Standard for the Global Goals Safeguarding Principles & Requirements /21/,
- (vi) The Gold Standard for the Global Goals Stakeholder Consultation and Engagement Requirements /22/,
- (vii) APPLICABILITY OF MINIMUM SITE VISIT REQUIREMENTS BY VVB
- (viii) Validation and Verification Body requirements, Product requirements and references relevant to the project activity's reported emission reductions.

The verification has considered both quantitative and qualitative aspects on stated/reported emission reductions. The monitoring report (all versions) and corresponding supporting documentation was assessed in accordance with the rules defined by GS4GG, as appropriate to the PA. The verification is not meant to provide any consulting or recommendations to the PP/others. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the monitoring activities.

Verification process

The verification has been performed as described in the Gold Standard for the Global Goals Principles and Requirements /20/ as below process,

- a. Desk review of the GS MR (version 01 dated 11/06/2022) /1/ and the relevant documents
- b. On-site assessment (21/07/2022)
- c. Issuance of draft verification report & verification protocol
- d. Desk review of the revised MR and related documents
- e. Resolution of the raised CAR
- f. Issuance of the final verification report
- g. Independent technical review of the draft verification report and final/revised documentation (e.g., Monitoring Report, corresponding ER sheet and evidences)
- h. Reporting and closure of TR comments/findings and final approval for the decision made
- i. Issuance of final verification report to contracted PP (or authorized representatives) and submission of request for issuance, as appropriate.

Conclusion

CTI has performed the verification of the GS PA "Dongdongtan 9MWp Solar PV Project" having GS Ref. Number GS 2680 for the 2nd monitoring period from 21/07/2019 to 07/12/2020. The verified emission reductions amount to 15,004 tCO₂e in the aforesaid monitoring period.

The technical parameters of the solar cell modules are consistent with the PDD /3/, and not changed since last periodical verification /6/.

In CTI's opinion, the GHG emission reductions reported for the project in the GS4GG 2nd monitoring report are fairly stated. CTI confirmed that each SDG Impacts were calculated correctly on the basis of the approved monitoring methodologies AMS I.D. ver. 17.0 /18/ and the monitoring plan contained in the PDD /3/.

CTI confirms that each SDG Impacts are calculated without material misstatements. Based on the evidence and information that are considered necessary to guarantee that each SDG Impacts are appropriately calculated, CTI is able to certify that each SDG Impacts from the project “Dongdongtan 9MWp Solar PV Project” during the indicated monitoring period. Therefore, this is being submitted for request for issuance, as per GS procedures as applicable.

SECTION B. Verification team, technical reviewer and approver**B.1. Verification team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Validation findings
1.	Team Leader & Verifier	IR	Du	Wenjun	CTI	√	√	√	√

B.2. Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)
1.	Technical reviewer/ Approver	IR	Li	Ziqi	CTI

SECTION C. Application of materiality

C.1. Consideration of materiality in planning the verification

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	Human error in the quantification of emissions	Low	Human error is likely to occur if personnel are unfamiliar with, or not well trained regarding, emissions processes or data recording	Depending on the monitoring period being verified, conduct increased verifying during the months when there is a greater likelihood of errors and issues with data quality control due to project participants' leave schedules
2.	Undue reliance on a poorly designed information system, which may have few effective quality controls	Low	Use of spreadsheets without adequate controls related to data changes/updates, version tracking, traceability, security	Depending on how data is generated, processed, and reported, place greater emphasis on verifying data captured and processed manually and/or in spreadsheets versus those that are generated from an automated system
3.	Omissions and misstatements in data transfer from hand written notes into digital Excel ER spreadsheet	Medium	Ineffective quality control of data transfer due to unclear QA/QC procedure	Check QM procedure/manual. PP may demonstrate how to transfer data and how this is crosschecked. Conduct interview with related personnel whether procedure is actually conducted but not adequately described.

On the basis of the risk analysis the verification has been planned. A detailed audit/verification plan has been prepared and submitted to the project participant(s) in due time before the site visit.

C.2. Consideration of materiality in conducting the verification

The errors identified in the project are below the threshold limit of materiality and hence not material. The GHG emission reductions are calculated without material misstatements.

SECTION D. Means of verification

D.1. Desk review

Desk review of all documents provided by PP and publicly available documents relevant for the verification including monitoring plan, monitoring report, monitoring methodology, project design document, applicable tools in particular attention to the frequency of measurements, QA/QC procedures and other relevant documents was conducted by CTI.

The main documents are listed below:

- (i) the GS4GG Monitoring Report (version 01 dated 11/06/2022) /1/,
- (ii) the emission reduction calculation spreadsheet related to this monitoring period /2/,
- (iii) the registered GS PDD including the monitoring plan /3/,
- (iv) the registered GS Passport /4/,
- (v) the last revision of the GS validation report /5/,
- (vi) documentation of previous verifications /6/,

Other supporting documents, such as publicly available information and background information were also reviewed. The list of documents reviewed during the verification is provided under Appendix 3 of this report.

D.2. On-site inspection

The activities performed during on-site assessment were listed as follows:

Duration of on-site assessment: 21/07/2022				
No.	Activity performed	Site location	Date	Team member
1.	Opening meeting	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China	21/07/2022	Du Wenjun
2.	Interview with PP Representative, Operation Staff and local stakeholders	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China	21/07/2022	Du Wenjun
3.	Documents check	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China	21/07/2022	Du Wenjun
4.	Finding Summary	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China	21/07/2022	Du Wenjun
5.	Close Meeting	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China	21/07/2022	Du Wenjun

D.3. Interviews

D.3.1. Interviews with Project owner, operation staffs and local stakeholders

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1	Liu	Yuzhi	Manager, Three Gorges Group	21/07/2022	- General aspects of the project - Changes since validation / previous verifications - Calibration procedures - Power generation situation - Quality management system - Involved personnel and responsibilities - Training and practice of the operational personnel - Implementation of the monitoring plan	Du Wenjun

2	Wang	Xirong	Engineer, the project owner	21/07/2022	- Monitoring data management - Data uncertainty and residual risks - Procedural aspects of the verification - Maintenance - Environmental aspects - Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	
3	Zhu	Yuqiang	Local Environmental Protection Supervision Entity	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
4	Xie	Tao	Village Leader, Sihao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
5	Sun	Jia	Villager, Sihao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
6	Wang	Xiaoping	Villager, Sihao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
7	Wang	Haibo	Village Leader, Jiugou Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
8	Zeng	Siming	Villager, Jiugou Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
9	Jiang	Sanzhong	Villager, Jiugou Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun

10	Dang	Yongyan	Villager, Jiugou Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
11	Wu	Zhiwei	Village Leader, Xiaomiao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
12	Ma	Duoduo	Villager, Xiaomiao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
13	Ding	Huali	Villager, Xiaomiao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
14	Cai	Rujun	Villager, Xiaomiao Village	21/07/2022	- Job opportunities - Salary level - Water quality and quantity - Solid waste - Biodiversity - Access to energy service	Du Wenjun
15	Lin	Keming	Consultacy	21/07/2022	- Monitoring plan - Monitoring training - Emission reduction calculation	Du Wenjun

D.3.2. Type of Questions asked by the team members:

During the on-site assessment, the verifier has randomly selected operation staffs from project implementer and local stakeholders as above table to confirm that the correctness of the project SDG and Safeguarding Principle monitoring data and information reported by the PP.

The questions asked were basically based on requirements of the GS4GG and MR description.

- Water quality and quantity - Wastewater treatment, discharge amount of sanitary wastewater
- Other pollutants (Solid wastes) - Domestic rubbish treatment
- Quantitative employment and income generation - Job opportunities, salary, Financial balance, employment opportunities especially for women, Monthly payroll
- Quality of employment - Training regarding operation and maintenance
- Air quality - Air quality during construction period
- Access to energy service - Electricity generation

A summary of interview questions and feedback received are presented in the below table:

SD indicators	Questions for operation staffs and local stakeholders during the site interviews	Summary of feedback
Water quality and quantity	1. Is there any wastewater discharged to the river?	Never

SD indicators	Questions for operation staffs and local stakeholders during the site interviews	Summary of feedback
Other pollutants (Solid wastes)	2. Is there any solid waste discharged by the project and impact the local environment?	Domestic solid waste have been collected together and periodically transferred to the local waste disposal plant for further treatment. Solid wastes were well treated and no impact to local environment
Air quality	3. How about the air quality in surrounding area during construction period?	No negative impact on air quality. No obvious dust was found during construction period.
Quantitative employment and income generation	4. Do you think that this project offers opportunities for employment?	Yes, the projects provide very good opportunities for employments of local residents.
	5. Is there any permanent jobs and tentative jobs provided by the project?	Permanent and tentative jobs are offered by the project proponents.
	6. What is the main way of making money in your household?	The main way is agriculture.
	7. Do you think that this project offers job opportunities for women?	Yes, the projects provide very good opportunities for local women residents.
	8. Do you think that this project could provide income to employees higher than the average level?	Yes, higher salary is offered by the project proponents.
Access to energy services	9. Do you have electricity access before and now?	Before there were more blackouts but this was solved with the project
	10. How much on average do you have to pay for electricity in the past? How is it compared with the actual situation with the project?	The prices did not change but we have more steady local electricity supply.
	11. Do you think the project will contribute to a long lasting solution for your energy needs?	Yes, because the energy is generated locally.
Quality of employment	12. Do you think that the trainings will be offered to workers in this project?	Yes
	13. What kind of training will be provided?	Technology, plant operation, monitoring, emergency and safety procedures
-	14. How do you communicate your questions or comments to the PP?	The personnel of the plant organized public meetings and always is possible to communicate directly with the designated personnel of the plant.

Verification Team along with on-site observation, objective evidence collections, data generation and recording analysis also considered the views obtained in these interviews while arriving at Verification Opinion.

D.4. Sampling approach

No sampling approach has been used by the PP as per the PDD.

D.5. Clarification requests, corrective action requests and forward action requests raised

Areas of verification findings	No. of CL	No. of CAR	No. of FAR
General Description of Project	-		-
Remaining forward action requests from validation and/or previous verification	-	-	-
Compliance of the project implementation with the registered project design document	-	-	-

Post-registration changes	-	-	-
Compliance of the monitoring system applied by the project with the registered monitoring plan	CL 01	-	-
Compliance of monitoring activities with the registered monitoring plan	-		
SDG Data and parameters fixed ex ante or at renewal of crediting period	-	-	-
SDG Data and parameters monitored	-	-	-
Comparison of monitored parameters with last monitoring period	-	-	-
Compliance of the sampling implementation with the registered sampling plan	-	-	-
Assessment of data and calculation of SDG Impacts	-		
Calculation of baseline value or estimation of baseline situation of each SDG Impact	-	-	-
Calculation of project value or estimation of project situation of each SDG Impact	CL 02	-	-
Calculation of leakage	-	-	-
Calculation of net benefits or direct calculation for each SDG Impact	-	-	-
Comparison of actual SDG Impacts with estimates in approved PDD	-	-	-
Remarks on increase in achieved SDG Impacts from estimated value in approved PDD	-	-	-
Safeguards reporting	-	-	-
Stakeholder inputs and legal disputes	-	-	-
Others (please specify)	-	-	-
Total	2	0	-

SECTION E. Verification findings

E.1. General Description of Project

Means of verification	A draft monitoring report was submitted to the verification team by the project participants prior to the start of the verification activities. It is checked that the appropriate form has been used for compiling the MR as per the Gold Standard for Global Goals Monitoring Report Template version 1.1 in 14/10/2020 /19/. Furthermore, every section has been checked against the GS4GG Principles & Requirements /20/. Via on-site visit, checking registered GS PDD /3/ and nameplate of polycrystalline silicon solar cell modules /17/, CTI confirmed that the project is a grid connected solar power project with total installed capacity of 9.009MWp, which consists of 36,036 pieces of the polycrystalline silicon solar cell modules with unit capacity of 250Wp. 14,440 MWh power will be supplied to Northwest China Power Grid (NWPG) annually, which is mainly dominated by fossil fuel power output. The project activity, located Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China, is a solar power project activity, which uses renewable solar energy to generate electricity displacing fossil fuel dominated electricity generation in NWPG and thus resulting in greenhouse gases emission reductions. The project activity helps to reduce greenhouse gas (GHG) emissions by an estimated 12,373 tCO₂e per year during the first crediting period. By implementing the project, PP has contributed to sustainable development through the reduction of GHG emissions and other pollutants, ensuring local power supply and providing an opportunity for local community to generate steady and continual job opportunities & income for their livelihood. The project is applicable to the applied CDM approved methodology of AMS I.D. (version 17.0): "Grid connected renewable electricity generation".
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	The detailed geographic coordinates of the project included in this monitoring period is listed as below:	
	No.	Project Location
	Host Country	P.R.China
	Region	Gansu Province
	Project location	Dongdongtan Area, Suzhou District, Jiuquan City, Gansu Province, P. R. of China
	Geographical Coordinates	East longitude of 98°32'09" and North latitude of 39°36'10"
	The project was registered as a GS-VER project with the registration number of GS 2680. According to the validation report /6/ and previous verification report /6/, the first crediting period is 7 years with the start date of 08/12/2013, this monitoring period from 21/07/2019 to 07/12/2020 belongs to the first crediting period. As part of site visit, the Verification Team was able to confirm that the project description in MR is in accordance with the project description contained in the PDD /3/.	
Findings	N/A	
Conclusion	It can be confirmed that the final version Monitoring report /1/ is complete and transparent and in accordance with the PDD /3/ and GS4GG Monitoring Report Template version 1.1 in 14/10/2020 /19/. Refer to the below sections for details.	

E.2. Remaining forward action requests from validation and/or previous verification

This is the 2nd verification of the project activity. Via checking the 1st verification report /6/, CTI verified that there is no FAR was raised at the 1st periodical performance certification.

E.3. Compliance of the project implementation with the registered project design document

Means of verification	By means of an in-depth review of the PDD and the checks carried out during the on-site visit, an assessment has been carried out whether the project has been implemented and operated in line with the PDD and whether all physical features of the project are in place. The following has been checked: implemented technology, project equipment as well as monitoring equipment. Furthermore, CTI has checked if relevant technical equipment of the project activity has been exchanged or modified during the monitoring period and consistent notations of key equipment (meters etc.) in PDD /3/, MR /1/ and ER calculation spreadsheet /2/ are applied. The verifier has performed an on-site assessment and conducted interview with operation staffs and local stakeholders, in addition checked all the provided evidence as listed in Appendix 3, CTI found that the project has been put into operation normally and CTI found that the implementation of the project activity is in accordance with the registered GS PDD /3/ and registered passport /4/. As per the registered GS-PDD /3/, the project start date was 01/08/2013 when Engineering, Procurement and Construction (EPC) contract was signed and the project started construction on 01/09/2013. The project started operation on 08/12/2013, which has been confirmed in the daily operational log /12/ against the and previous verification report /6/. This (2nd) monitoring period is originally planned to be from 01/04/2015 to 07/12/2020. However, as per "APPLICABILITY OF MINIMUM SITE VISIT REQUIREMENTS BY VVB" issued on 16/08/2021, in case follow-up site visits are not conducted within three years after the previous site visit, and when the delays were due to Non-Force Majeure, the VVB shall not verify the monitoring period falling before three years of the site visit date. On 21/07/2022, CTI performed on site assessment for this monitoring period and therefore, only GS-VERs achieved during the period from 21/07/2019 to 07/12/2020 will be claimed for this monitoring period (i.e. the monitoring period is from 21/07/2019 to 07/12/2020). The same has been concluded by GS in the Deviation Request dated 27/06/2022.
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	The SDG monitoring parameters used during this monitoring period to arrive at the SDG impacts are transparently described in the Monitoring Report. The quantity of net electricity generation supplied by the Project to the grid is 17,511.930 MWh during the monitoring period from 21/07/2019 to 07/12/2020, which is verified by checking meter recording records (MRRs) /11/, Electricity Transaction Notes (ETNs) of electricity export and Electricity Invoices of electricity import /10/. The emission reductions claimed during this monitoring period are 15,004 tCO₂e /2/. The details of verification against if any changes incorporated by PP during this monitoring period are provided in the respective sections and there is no significant change observed in the listed monitoring parameters since last verification. PP has provided detailed specifications in the MR section B.1. Verification team herewith confirms that the specifications of main equipment are the same as provided in the registered PDD and photos of the nameplates of equipment /17/, and has been confirmed through on-site assessment. Basic technical details of the project are summarized in below table. <table><tr><th></th><th>Item</th><th>Unit</th><th>Value</th></tr><tr><td rowspan="8">Solar cell module</td><td>Type</td><td>-</td><td>YL250P-29b</td></tr><tr><td>Quantity</td><td>-</td><td>36,036</td></tr><tr><td>Rated Max. Power</td><td>Wp</td><td>250</td></tr><tr><td>Rated Voltage</td><td>V</td><td>30.4</td></tr><tr><td>Rated Current</td><td>A</td><td>8.24</td></tr><tr><td>Open Circuit voltage</td><td>V</td><td>38.4</td></tr><tr><td>Short Circuit current</td><td>A</td><td>8.79</td></tr><tr><td>Lifetime</td><td>year</td><td>25</td></tr><tr><td rowspan="5">Inverter</td><td>Type</td><td>-</td><td>SG500MX</td></tr><tr><td>Quantity</td><td>-</td><td>18</td></tr><tr><td>Rated Output power</td><td>kW</td><td>500</td></tr><tr><td>Rated Output voltage</td><td>V</td><td>3~315</td></tr><tr><td>Rated Output frequency</td><td>HZ</td><td>50</td></tr></table> Interviews with operational personnel have been carried out, QMS records, maintenance records, instrument specifications were checked in this context. This is the 2nd monitoring period belongs to 1st crediting period and the verification team herewith confirms that the project implementation is consistent since the last periodical verification /6/ as mentioned in the registered GS PDD /3/. There are no major obstructions or gaps noted during this monitoring period. The actual distribution and operation were found in accordance with the descriptions provided in the PDD. There is no deviation / change evidenced during this monitoring period and there were no delays compared to information in approved project.		Item	Unit	Value	Solar cell module	Type	-	YL250P-29b	Quantity	-	36,036	Rated Max. Power	Wp	250	Rated Voltage	V	30.4	Rated Current	A	8.24	Open Circuit voltage	V	38.4	Short Circuit current	A	8.79	Lifetime	year	25	Inverter	Type	-	SG500MX	Quantity	-	18	Rated Output power	kW	500	Rated Output voltage	V	3~315	Rated Output frequency	HZ	50
	Item	Unit	Value																																											
Solar cell module	Type	-	YL250P-29b																																											
	Quantity	-	36,036																																											
	Rated Max. Power	Wp	250																																											
	Rated Voltage	V	30.4																																											
	Rated Current	A	8.24																																											
	Open Circuit voltage	V	38.4																																											
	Short Circuit current	A	8.79																																											
	Lifetime	year	25																																											
Inverter	Type	-	SG500MX																																											
	Quantity	-	18																																											
	Rated Output power	kW	500																																											
	Rated Output voltage	V	3~315																																											
	Rated Output frequency	HZ	50																																											
Findings	N/A																																													
Conclusion	Assessment concludes the following: - The implementation status of project activity was found to be in compliance with PDD /3/. - CTI has conducted an on-site assessment to confirm the implementation status of the project and the realized technology /17/. - The actual operation of project activity was found to be in compliance with PDD /3/. - There were no delays compared to information in approved project.																																													

E.4. Post-registration changes

E.4.1. Temporary deviations from Certified Key Project Information, Project Design Document, Monitoring & Reporting Plan, applied methodology or applied standardized baseline

By checking FVR of previous monitoring period, it is confirmed that the previous site visit by VVB was conducted on 14/05/2015 - 15/05/2015. CTI conducted a site visit on 21/07/2022 for this monitoring period and therefore, It was identified that the site visit between previous and this monitoring period are longer than three years.

As per "APPLICABILITY OF MINIMUM SITE VISIT REQUIREMENTS BY VVB" issued on 16/08/2021, in case follow-up site visits are not conducted within three years after the previous site visit, and when the delays were due to Non-Force Majeure, the VVB shall not verify the monitoring period falling before three years of the site visit date.

Therefore, a temporary deviation in relation with monitoring period was identified. The start date of this (2nd) monitoring period was change from 01/04/2015 to 21/07/2019 and only GS-VERs achieved during the period from 21/07/2019 to 07/12/2020 will be claimed.

E.4.2. Corrections

Not Applicable

E.4.3. Changes to start date of crediting period

Not Applicable

E.4.4. Permanent changes from registered monitoring plan, applied methodology or applied standardized baseline

Not Applicable

E.4.5. Changes to project design of approved project

Not Applicable.

E.5. Compliance of the monitoring system applied by the project with the registered monitoring plan

Means of verification	By means of comparison of the MR /1/ with the applied CDM methodology /18/ and all applicable GS4GG guidelines, the verification team has checked whether the monitoring system is in compliance with the monitoring plan /3/ and related requirements of the applied methodology /18/, whether the source and the applied value of the SDG monitored parameter is acceptable; whether the parameters monitored explain the operational and management structure, responsibilities and institutional arrangement for data collection/archiving, QA/QC procedures. The monitoring system applied by the project compliance with the registered monitoring plan is demonstrated as below: Organizational structure The MR contains a diagram illustrating the Organizational Structure to be implemented by the project owner in order to implement the project activity which is confirmed to be consistent with the registered GS PDD. A monitoring panel was established by the plant managers to be in charge of monitoring the data and information relating to the calculation of emission reductions with the cooperation of the Technical and Financial Department. A GS manager was assigned in full charge the monitoring works. The organizational structure is considered sufficient to fulfil the monitoring requirements of the methodology and ensure that emission reductions verified for this monitoring period. Monitoring Measures The monitoring procedures applied by the project compliance with the registered monitoring plan /3/ is demonstrated as below: - For monitoring parameters related to SDG 13, parameters ER_y was monitored. Emission reductions achieved in year y (ER_y) were calculated by $EG_{facility,y}$ and Combined Margin CO2 emission factor in year y. - For monitoring parameter related to SDG 7, parameter $EG_{facility,y}$ is monitored. Quantity of net electricity generation supplied to the grid in year y ($EG_{facility,y}$) was calculated by as the difference between the measured quantities of the grid electricity export and import. The quantity of the grid electricity export and import was continuously measured by meter M1 and its backup meter M1' (bi-directional with accuracy 0.2S) installed at the outlet of
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35kV switch station of the Project.

- **For monitoring parameter related to SDG 8**, parameters quality of employment and Quantitative employment and income generation are monitored.

6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures. 8 long term jobs with annual average salary of 144,751 CNY have been provided.

During this monitoring period, the safeguarding principle monitoring parameters, including Water Quality and Quantity, Air Quality, Other pollutants were verified.

During site visit, the wastewater treatment system has been verified to check the waste water treatment and re-use as the greening water by the project. Local stakeholders have been interviewed for “waster quality and quantity”. All waste water from the project have been treated then used as greening water.

17,511.930 MWh of Quantity of net electricity generation supplied to the grid in year y. “Air Quality” was verified through checking on online data. The SO₂ and NO_x that could be generated in the baseline scenario are calculated as 40.277t and 45.531t respectively. The air quality in the operation quality was effectively improved against the baseline scenario.

During site visit, for “other pollutants”, it was verified that domestic solid waste has been collected together and periodically transferred to the local waste disposal plant for further treatment. The wasted equipment, such as the solar cell panel, have been collected together and transferred to the manufacturer. This is in compliance with the requirement in the GS passport /4/.

Calibration of electricity meters

Calibration was verified by checking calibration certificate /7/ and Accreditation certificate /8/, all monitoring equipment meets the requirement indicated in the PDD.

Quality control and Emergency procedures

The related QA/QC procedure has been conducted by PP for the monitoring process including data verification and cross check by monitoring team and project owner which has been verified by checking the related manual /15/ and calibration certificates of monitoring electricity meters /7/.

CTI confirmed that the QA/QC procedure has been implemented by PP properly during this monitoring period and the data management is confirmed as effective.

If meter M1 was malfunction, meter readings from M1’ will be used as reference for calculation of emission reductions. During this monitoring period, by checking daily operational log /12/, it is confirmed that meter M1 is working well.

Data Management System

Data management have been verified during site visit. As confirmed with PP, electronic and paper records will be kept for a minimum of two years after the end of the crediting period.

Non-Double counting assessment

The VVB has checked for double counting by reviewing all relevant registries including CDM /21/, VCS /22/ and other GHGs programs such as China CCER /35/, EU ETS, IREC or subnational, various regional schemes such as the Canadian and American provincial/state-based schemes. CTI confirmed that there is no potential exists for Double Counting of emissions reductions due to issuance of Gold Standard VERs/CO₂-certificates from the considered project activity.

Furthermore, the project activity contained in the MR have been verified through checking verification report of previous monitoring period /6/ and the registered GS PDD /3/. The project equipment’s information is also verified during on-site assessment and confirmed as consistent with the GS PDD /3/.

Therefore, It is concluded that the double counting of the ER calculation was avoided and the risk of double counting is unlikely to happen.

In conclusion, the MP is completely in accordance with the approved methodology applied

	by the project /18/ and registered GS PDD /3/.
Findings	CL 01 was raised and resolved. Refer to Appendix 4 for detail assessment.
Conclusion	The monitoring plan complies with the applied methodology and the monitoring system and all applied procedures are completely in compliance to the latest approved monitoring plan and the methodology.

E.6. Compliance of monitoring activities with the registered monitoring plan

E.6.1. SDG Data and parameters fixed ex ante or at renewal of crediting period

Means of verification	The values of ex-ante parameter assessed in the table given below:			
	Ex Ante Data and Parameters			
	SDG13 Parameters	Source of data	Values applied	Assessment by Verification team
	$EF_{grid,CM,y}$	Data from registered GS PDD /3/	0.856875 tCO₂e/MWh	As per the registered PDD /3/, $EF_{grid,CM,y}$ is ex-ante determined through parameters EF_{OM} and EF_{BM} sourced from 2013 baseline emission factors for regional power grids in China issued by China DNA, as well as w_{OM} and w_{BM} sourced from "Tool to calculate the emission factor for an electricity system" (version 04.0) and was calculated to be: $0.9720 \text{ tCO}_2/\text{MWh} * 0.75 + 0.5115 \text{ tCO}_2/\text{MWh} * 0.25 = 0.856875 \text{ tCO}_2\text{e}/\text{MWh}$
	The parameters $FC_{i,y}$, $NCV_{i,y}$, $EF_{CO,i,y}$, GEN_y , AER_y , $F_{i,j,y}$, $EF_{Coal,Adv,y}$, $EF_{Oil,Adv,y}$, $EF_{Gas,Adv,y}$, $CAP_{Total,y}$, $CAP_{Thermal,y}$ that listed in section B.6.2 of the registered PDD were used to calculate $EF_{grid,CM,y}$.			
	The assessment team has checked that the ex-ante parameter was fixed at the level of PA and were verified from the registered GS PDD /3/. Also, the ex-ante parameter values have been consistently applied for the ER calculation which is evident from the ER calculation sheet /2/.			
Findings	N/A			
Conclusion	The value mentioned in the Monitoring Report /1/ and Emission Reduction Spreadsheet /2/ are consistent with the PDD /3/. The applied value is correct and justified.			

E.6.2. SDG Data and parameters monitored

Means of verification	Relevant SDG:	SDG 13
	Data/Parameter	ER_y
	Unit	tCO ₂
	Description	Emission reduction in year y
	Value applied for this monitoring period	15,004
	Measuring /Reading /Recording frequency	Each verification
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	N/A
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire	N/A

	monitoring period?																													
	How were the values in the monitoring report verified?	This parameter is calculated as: $ER_y = EG_{\text{facility},y} * EF_{\text{grid},CM,y}$ $EG_{\text{facility},y}$ is calculated as the difference between the measured quantities of the grid electricity export and import. ER_y in the MR has been calculated based on the values of the measured quantities of the grid electricity export and import, and $EF_{\text{grid},CM,y}$ as assessed in above tables.																												
	If applicable, has the reported data been cross-checked with other available data?	Yes. For the measured quantities of the grid electricity export and import, the MRRs /11/ have been cross-checked with values in monthly ETNs of electricity export and Electricity Invoices of electricity import /10/ and verified as consistent. The $EF_{\text{grid},CM,y}$ has been justified in section E.6.1 of this report.																												
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, QA/QC procedure for calculation; procedure for training records /13/ were established and implemented. The data flow and protection process were confirmed during on-site assessment.																												
	Relevant SDG:	SDG 7																												
	Data/Parameter	$EG_{\text{facility},y}$																												
	Unit	MWh																												
	Description	Quantity of net electricity generation supplied to the grid in year y																												
	Value applied for this monitoring period	17,511.930																												
	Measuring /Reading /Recording frequency	Continuous measurement and at least monthly recording																												
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the registered PDD /3/ and applied methodology /18/.																												
	Monitoring equipment with accuracy	This parameter is monitored by electricity meters listed below, <table border="1"> <tr> <td>Electricity meter</td><td>M1</td><td>M1'</td></tr> <tr> <td>Type</td><td>Mk6E</td><td>Mk6E</td></tr> <tr> <td>Serial Number</td><td>213211182</td><td>213211183</td></tr> <tr> <td>Accuracy</td><td>0.2S</td><td>0.2S</td></tr> <tr> <td rowspan="3">Latest calibration date</td><td>28/10/2018</td><td>28/10/2018</td></tr> <tr> <td>26/10/2019</td><td>26/10/2019</td></tr> <tr> <td>20/10/2020</td><td>20/10/2020</td></tr> <tr> <td rowspan="3">Validity</td><td>30/10/2018</td><td>30/10/2018</td></tr> <tr> <td>27/10/2019</td><td>27/10/2019</td></tr> <tr> <td>25/10/2020</td><td>25/10/2020</td></tr> <tr> <td></td><td>19/10/2021</td><td>19/10/2021</td></tr> </table>	Electricity meter	M1	M1'	Type	Mk6E	Mk6E	Serial Number	213211182	213211183	Accuracy	0.2S	0.2S	Latest calibration date	28/10/2018	28/10/2018	26/10/2019	26/10/2019	20/10/2020	20/10/2020	Validity	30/10/2018	30/10/2018	27/10/2019	27/10/2019	25/10/2020	25/10/2020		19/10/2021
Electricity meter	M1	M1'																												
Type	Mk6E	Mk6E																												
Serial Number	213211182	213211183																												
Accuracy	0.2S	0.2S																												
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	20/10/2020	20/10/2020																												
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	27/10/2019	27/10/2019																												
	25/10/2020	25/10/2020																												
	19/10/2021	19/10/2021																												

	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period?	Yes, CTI has checked all related calibration certificates /7/ and the calibration for meters was conducted by qualified third party /8/. The calibration certificates of electricity meters /7/ are valid for the entire 2nd monitoring period.
	How were the values in the monitoring report verified?	The quantity of the grid electricity export was continuously measured by meter M1 (bi-directional with accuracy 0.2S) installed at the outlet of 35kV switch station of the Project. At 24:00 of the last day of every month, the raw data of meter reading of meter M1 are recorded by local power grid company and project owner, the project owner would form Monthly Reading Records (MRRs) /11/ based on the meter readings. The local power grid company will issue ETNs /10/ accordingly. The quantity of the grid electricity import was continuously measured by meter M1 (bi-directional with accuracy 0.2S) installed at the outlet of 35kV switch station of the Project. At 24:00 of the last day of every month, the raw data of meter reading of meter M1 is recorded by the local power grid company and project owner, the project owner would form Monthly Reading Records (MRRs) /11/ based on the meter readings. The local power grid company will issue Electricity Invoices /10/ accordingly. By checking the operation log /12/ and interview with the project owner through on-site assessment, it is confirmed neither failure nor exchange of Meter M1 or M1' was identified during the monitoring period. And no technical failure or maintenance was encountered during this monitoring period. The data from MRRs and ETNs have been sent to the CDM consulting company for reporting of GHG emission reduction. The conservative one would be used for ER calculation. The reported value in the MR has been recalculated by the verification team based on the values from the MRRs. Based on MRRs /11/, the verification team calculated the data aggregation completely independent from the calculation provided by the PP. 100% of the MRRs /11/ have been verified. The values have been cross-checked with ETNs and Electricity Invoices /10/ and verified as consistent.
	If applicable, has the reported data been cross-checked with other available data?	Yes. The MRRs /11/ have been cross-checked with values in monthly ETNs and Electricity Invoices /10/ and verified as consistent.
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, QA/QC procedure for calculation; procedure for monitoring staff training and competence /13/ were established and implemented. The data flow and protection process were observed during the on-site inspection.
	Relevant SDG:	SDG 8
	Data/Parameter	Quantitative employment and income generation
	Unit	N/A
	Description	Number of jobs provided in the operations of the project and their salary levels.
	Value applied for this monitoring period	8 long-term work positions for local people have been created with 144,751 CNY yearly average salary for every employee

	Measuring /Reading /Recording frequency	Monthly during the operation period
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the Registered Passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	After checking Salary Payroll of year 2019-2020 issued by the project owner /16/, it is confirmed that 8 long-term work positions for local people have been created with 144,751 CNY yearly average salary for every employee. The same have been confirm via interviewing with employee of the project owner. Also, after checking China Statistical Yearbook 2021 /27/, it is found the average salary of the project activity is much higher than the salary level of Power Industry of Gansu Province (90,420 CNY/y).
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
	Relevant SDG:	SDG 8
	Data/Parameter	Quality of employment
	Unit	N/A
	Description	The project organizes trainings for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures, etc.
	Value applied for this monitoring period	6 times trainings were provided by the project owner
	Measuring /Reading /Recording frequency	Every monitoring period
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the Registered Passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	By checking the training records /13/, it is confirmed that the project owner provides sufficient training for the employee on

		the technology and the monitoring of the plant operation, and the emergency and safety procedures. The trainings were provided (on site) on 11/07/2019, 28/07/2019, 27/11/2019, 02/04/2020, 30/11/2020 and 04/12/2020 respectively during this monitoring period. The same has been confirmed through interview with employees of the project owner.
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
Findings	CAR 02 was raised and resolved. Refer to Appendix 4 for detail assessment.	
Conclusion	The parameters have been monitored appropriately, in accordance with the registered PDD /3/, registered passport /4/ and applied methodology /18/. The monitoring results were recorded consistently as per the approved frequency in the registered PDD /3/ and registered passport /4/.	

E.6.3. Comparison of monitored parameters with last monitoring period

Means of verification	Not applicable due to the project is non-Community Service Activities.
Findings	N/A
Conclusion	N/A

E.6.4. Compliance of the sampling implementation with the registered sampling plan

Means of verification	N/A
Findings	N/A
Conclusion	N/A

E.7. Assessment of data and calculation of SDG impacts

E.7.1. Calculation of baseline value or estimation of baseline situation of each SDG Impact

Means of verification	SDG 8 Baseline Impact: Via checking the MR /1/ and through interview with representative of staffs, CTI confirmed that the project created jobs, provides income and training to staffs. In the baseline situation, as per interview with representative of staffs, CTI verified that no new job created, no income and no training without this project. Therefore, Baseline Impact benefit is zero. SDG 7 Baseline Impact: Via checking the MR /1/ and through interview with stakeholders, CTI confirmed that the project promotes access to affordable and clean energy services. In the baseline situation, as per the interview with representative of staffs, CTI verified that electricity was generated by other fossil fuel sources. Therefore, Baseline Impact benefit is zero. SDG 13 Baseline Impact: Via checking the MR /1/ and ER sheet /2/, CTI confirmed that the project created GHG emission reduction. In the baseline situation, as per interview with representative of staffs, CTI verified that there was no operation of renewable power generation, all the electricity demand would be supplied by the power grid as usual without this project, hence no GHG emission reduction would be achieved in baseline scenario. Therefore, Baseline Impact benefit is zero.
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Findings	CAR 01 was raised and resolved. Refer to Appendix 4 for detail assessment.
Conclusion	The verification team confirms that: a) The complete data was available and is duly reported; b) As indicated above, the description with regard to cross-check of reported data is included under respective parameter (refer Section E.6.2. of this report); c) Appropriate methods and formulae for calculating baseline SDG impact; d) Appropriate emission factors and other reference values were correctly applied. e) The calculation of baseline situation of each SDG impact is correct.

E.7.2. Calculation of project value or estimation of project situation of each SDG Impact

Means of verification

SDG 8 Project Impact:

For SDG 8 - Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

During this monitoring period, 6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures. 8 long term jobs with annual average salary of 144,751 CNY have been provided. The same has been verified in section E.6.2 of this report.

Therefore, the SDG 8 project impact is 6 times trainings and 8 long term jobs with annual average salary of 144,751 CNY.

SDG 7 Project Impact:

For SDG 7 - Ensure access to affordable, reliable, sustainable and modern energy for all

During the monitoring period from 21/07/2019 to 07/12/2020, quantity of net electricity generation supplied to the grid by the project was 17,511.930 MWh which has been verified in section E.6.2 of this report.

Therefore, the SDG 7 project impact is 17,511.930 MWh.

SDG 13 Project Impact:

For SDG 13 - Climate Reductions

The GHG Emission Reductions value of this project is calculated as below steps,

Baseline Emissions Calculation

The formula used for the determination of baseline emissions which is consistent with the registered PDD and the applied methodology:

$$BE_y = EG_{facility,y} * EF_{grid,CM,y} \tag{1}$$

According to the PDD, $EG_{facility,y}$ is equal to the difference between the measured quantities of the grid electricity export and import. in monitoring plan.

Where:

BE_y

Baseline Emissions (tCO₂e)

$EG_{facility,y}$

Quantity of net electricity generation supplied to the grid in year y (MWh)

$EF_{grid,CM,y}$

Combined Margin CO₂ emission factor in year y (tCO₂e/MWh)

Therefore, BE_y is calculated as:

Period		MRRs	ETNs	Electricity Export	MRRs	ETNs	Electricity Import	EG _{facility,y}
		MWh	MWh	MWh	MWh	MWh	MWh	MWh
From	To	A	B	C=min(A,B)	D	E	F=max(D,E)	G=C-F
21/07/2019	31/07/2019	530.376	513.458	513.458	12.679	12.812	12.812	500.646

01/08/2019	31/08/2019	1,118.866	1,069.854	1,069.854	9.008	9.159	9.159	1,060.695
01/09/2019	30/09/2019	963.816	907.294	907.294	14.333	14.556	14.556	892.738
01/10/2019	31/10/2019	1,109.500	1,057.592	1,057.592	16.484	16.791	16.791	1,040.801
01/11/2019	30/11/2019	732.774	697.105	697.105	19.245	19.572	19.572	677.533
01/12/2019	31/12/2019	674.772	640.539	640.539	20.785	21.153	21.153	619.386
2019 Subtotal		5,130.104	4,885.842	4,885.842	92.534	94.043	94.043	4,791.799
01/01/2020	31/01/2020	1,109.430	1,045.222	1,045.222	17.983	18.263	18.263	1,026.959
01/02/2020	29/02/2020	1,005.970	931.926	931.926	14.519	14.720	14.720	917.206
01/03/2020	31/03/2020	1,356.264	1,301.241	1,301.241	15.996	16.246	16.246	1,284.995
01/04/2020	30/04/2020	1,487.024	1,463.856	1,463.856	14.435	14.665	14.665	1,449.191
01/05/2020	31/05/2020	1,355.676	1,317.100	1,317.100	13.941	14.120	14.120	1,302.980
01/06/2020	30/06/2020	1,278.844	1,215.607	1,215.607	13.124	13.302	13.302	1,202.305
01/07/2020	31/07/2020	1,239.406	1,150.687	1,150.687	13.979	14.228	14.228	1,136.459
01/08/2020	31/08/2020	1,335.165	1,257.602	1,257.602	14.052	14.284	14.284	1,243.318
01/09/2020	30/09/2020	1,318.748	1,232.065	1,232.065	12.547	27.040	27.040	2,236.847
01/10/2020	31/10/2020	1,093.100	1,031.822	1,031.822	14.005			
01/11/2020	30/11/2020	899.056	819.420	819.420	17.933	18.208	18.208	801.212
01/12/2020	07/12/2020	145.454	138.667	138.667	19.722	20.008	20.008	118.659
2020 Subtotal		13,624.137	12,905.215	12,905.215	182.236	185.084	185.084	12,720.131
Total		18,754.241	17,791.057	17,791.057	274.770	279.127	279.127	17,511.930

By checking Statement from local power grid company /28/, it is confirmed that electricity export data of period 21/07/2019 to 31/07/2019, 01/12/2020 to 07/12/2020 was sourced from daily meter reading records and have been confirmed by the grid. For simple calculation, the electricity import data of the whole month from 01/07/2019 to 31/07/2019 and from 01/12/2020 to 31/12/2020 were deemed as that of the period from 21/07/2019 to 31/07/2019 and from 01/12/2020 to 07/12/2020, which is conservative.

Therefore, BE_y is calculated as:

Period		$EG_{\text{facility},y}$ (Mwh)	$EF_{\text{grid},CM,y}$ (tCO ₂ e/MWh)	BE_y (tCO ₂ e)	ER_y (tCO ₂ e)
21/07/2019	31/12/2019	4,791.799	0.856875	4,105	4,105
01/01/2020	07/12/2020	12,720.131	0.856875	10,899	10,899
Total		17,511.930	-	15,004	15,004

The baseline emissions (BE_y) during this monitoring period are calculated as 15,004 tCO₂e.

Project Emission Calculation

The project is a solar power project. according to the registered PDD /3/ and the methodology AMS-I.D., $PE_y = 0$ tCO₂e

Leakage Calculation

According to AMS I.D., there is no leakage considered, therefore, $LE_y = 0$ tCO₂e.

The emission reductions (ER_y) of SDG 13 by the project during a given year y are calculated as: $ER_y = BE_y - PE_y = BE_y = 15,004$ tCO₂e

The SDG 13 Project Impact, i.e. emission reductions (ER_y) during this monitoring period is 15,004 tCO₂e.

Findings

N.A.

Conclusion	The verification team confirms that a) The complete data was available and is duly reported; b) As indicated above, the description with regard to cross-check of reported data is included under respective parameter (refer Section E.6.2. of this report); c) Appropriate methods and formulae for calculating project SDG impact were followed; The calculation of project situation of each SDG impact is correct.
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E.7.3. Calculation of leakage

Means of verification	Via checking the PDD of this project and applied methodology, it is confirmed that no leakage for this project was identified.
Findings	N/A
Conclusion	The verification team confirms that no leakage is considered.

E.7.4. Calculation of net benefits or direct calculation for each SDG Impact

Means of verification	Calculation of net benefits as difference of baseline and project values or direct calculation for each SDG impact is as following,				
	SDG	SDG Impact	Baseline estimate	Project estimate	Net benefit
	13	Emissions Reductions	0	15,004 tCO ₂ e	15,004 tCO ₂ e
	8	Number of permanent and skilled jobs	0	8 long term jobs have been provided.	8 long term jobs have been provided.
		Number of trainings	0	6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures	6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures
		Average annual salary level of project staffs	0	Annual average salary of 144,751 CNY have been provided for 9 employees, which is much higher than the salary level of Power Industry of Gansu Province (90,420 CNY).	Annual average salary of 144,751 CNY have been provided for 9 employees, which is much higher than the salary level of Power Industry of Gansu Province (90,420 CNY).
	7	MWh of renewable energy supplied	0	17,511.930 MWh	17,511.930 MWh
All the figures as per the monitoring report were cross-checked by the verification team against basic monitored data. Refer to E.6.2 of this report for details assessment.					
Findings	N.A.				
Conclusion	The verification team confirms that a) The complete data was available and is duly reported; b) As indicated above, the description with regard to cross-check of reported data is included under respective parameter (refer Section E.6.2. of this report); c) Appropriate methods and formulae for calculating net benefits for each SDG impact were followed; The calculation of net benefits for each SDG impact is correct.				

E.7.5. Comparison of actual value of impacts with estimates in approved PDD

Means of verification	The verification team has checked if the MR includes a comparison of actual values of the monitoring period with the estimations in the registered passport /4/ for each SDG impact. Conclusion is as below table.				
	Item	Period	Indicator	Values estimated in ex ante calculation of	Actual values achieved during this monitoring

			registered documents	period
	SDG 8	21/07/2019-07/12/2020	Number of permanent and skilled jobs	8 long term jobs have been provided.
			Number of trainings	6 times trainings
			Average annual salary level of project staffs	Annual average salary of 144,751 CNY have been provided, much higher than the annual average salary level of Power Industry of Gansu Province (90,420 CNY/y).
	SDG 7	21/07/2019-07/12/2020	MWh of renewable energy supplied	17,511.930 MWh
	SDG 13	21/07/2019-07/12/2020	emission reductions	15,004 tCO ₂ e
Findings	N.A.			
Conclusion	The MR includes a summary table of comparison of actual values of the monitoring period with the estimations in the registered passport /4/ for each SDG impact and the comparison results are confirmed as correct.			

E.7.6. Remarks on increase in achieved SDG Impacts from estimated value in approved PDD

Means of verification	For SDG 8, it was mentioned “the Project organise training for the staff on the technology and the monitoring of the plant operation, and the emergency and safety procedures” and “the Project will creates 8 jobs during operational period, and the salary of employees will be above the local average”. In the MR, the SDG impact achieved for this monitoring period was: 6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures. 8 long term jobs with annual average salary of 144,751 CNY have been provided. The same was confirmed through checking training records /13/ and Salary Payroll of year 2019-2020 issued by the project owner /16/. Also, the same has been confirmed through interview with the project owner and local stakeholders. The SDG impacts achieved during this monitoring period is in compliance with that in the registered passport /4/. For SDG 7 and SDG 13, CTI confirmed that the actual electricity supplied to the grid and emission reductions during this monitoring period was found to be 12.52% lower than ex-ante estimated value in the PDD for this project during this monitoring period. CTI confirmed that the project installations and capacity are in line with the PDD via checking the nameplate of the polycrystalline silicon solar cell modules /17/. Hence, the lower emission reduction is not caused by the change of project installations and capacity, but caused by fluctuation of solar energy. The same has been confirmed through interview with the project owner.
Findings	N/A
Conclusion	The actual SDG impacts for 7 and 13 are lower than the estimated values in the registered PDD /3/ and actual SDG impacts for 8 is in compliance with that the estimated values given

in the registered passport /4/, which is assessed as appropriate and accepted.

E.8. Safeguards reporting

Means of verification	Via checking registered passport /4/, CTI confirmed that there are three Safeguarding principles need to be monitored which have been assessed as below,	
	Relevant Safeguarding Principles:	9.4
	Data/Parameter	Water Quality and quantity
	Unit	N/A
	Description	Wastewater is treated through wastewater treatment facility, then used as greening water.
	Value applied for this monitoring period	No negative impact
	Measuring /Reading /Recording frequency	Each verification
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the registered passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	During site visit, it was verified that the wastewater treatment system has been verified to check the waste water treatment and re-use as the greening water by the project. Also, by checking Waste treatment Records /29/, it is confirmed all waste water from the project have been treated then used as greening water. The same has been confirmed through interviewing with stakeholders during site visit.
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
	Relevant Safeguarding Principles:	9.4
	Data/Parameter	Air quality
	Unit	N/A
	Description	Indirect parameter of "Total clean and renewable electricity supplied by the project" is measured in order to calculate the emission reductions of SO ₂ and NO _x , as multiplied by default national emission factor from the Chinese government.
	Value applied for this monitoring period	No negative impact
	Measuring /Reading /Recording frequency	The quantity of the grid electricity export and the quantity of the grid electricity import. was continuously measured and monthly recorded.

	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the registered passport /4/.
	Monitoring equipment with accuracy	refer to monitoring of EG _{facility,y}
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	refer to monitoring of EG _{facility,y}
	How were the values in the monitoring report verified?	Based on MRRs /11/, the verification team calculated the data aggregation completely independent from the calculation provided by the PP. 17,511.930 MWh of Quantity of net electricity generation supplied to the grid in year y. "Air Quality" was verified through checking on online data. The SO ₂ and NO _x that could be generated in the baseline scenario are calculated as 40.277t and 45.531t respectively. The air quality in the operation quality was effectively improved against the baseline scenario.
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	Yes. The MRRs /11/ have been cross-checked with values in monthly ETNs and Electricity Invoices /10/ and verified as consistent.
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Yes, QA/QC procedure for calculation; procedure for monitoring staff training and competence /13/ were established and implemented. The data flow and protection process were observed during the on-site inspection.
	Relevant Safeguarding Principles:	9.4
	Data/Parameter	Other pollutants
	Unit	N/A
	Description	Domestic solid waste will be properly collected and periodically transferred to the local waste disposal plant for further treatment. The wasted equipment, such as the solar cell panel, will be collected together and transferred to the manufacturer.
	Value applied for this monitoring period	No negative impact
	Measuring /Reading /Recording frequency	Each verification
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the registered passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	During site visit, it was verified that domestic solid waste has been collected together and periodically transferred to the local waste disposal plant for further treatment. The wasted equipment, such as the solar cell panel, have been collected together and transferred to the manufacturer. The same has been confirmed through checking Waste treatment Records /29/. This is in

		compliance with the requirement in the GS passport /4/. The same has been confirmed through interviewing with stakeholders during site visit.
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
	Relevant Safeguarding Principles:	6.1
	Data/Parameter	Quantitative employment and income generation
	Unit	N/A
	Description	Number of jobs provided in the operations of the project and their salary levels.
	Value applied for this monitoring period	8 long-term work positions for local people have been created with 144,751 CNY yearly average salary for every employee
	Measuring /Reading /Recording frequency	Monthly during the operation period
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the Registered Passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	After checking Salary Payroll of year 2019-2020 issued by the project owner /16/, it is confirmed that 8 long-term work positions for local people have been created with 144,751 CNY yearly average salary for every employee. The same have been confirm via interviewing with employee of the project owner. Also, after checking China Statistical Yearbook 2021 /27/, it is found the average salary of the project activity is much higher than the salary level of Power Industry in Gansu Province (90,420 CNY).
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
	Relevant Safeguarding Principles:	6.1
	Data/Parameter	Quality of employment
	Unit	N/A
	Description	The project organizes trainings for the staffs on the technology and monitoring of the plant operation, and

		the emergency and safety procedures, etc.
	Value applied for this monitoring period	6 times trainings have been provided by the project owner
	Measuring /Reading /Recording frequency	Recorded every monitoring period
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes, the measuring and reporting frequency are in line with the Registered Passport /4/.
	Monitoring equipment with accuracy	N/A
	Is the installed monitoring equipment has been duly calibrated for this entire monitoring period? (Yes / No)	N/A
	How were the values in the monitoring report verified?	By checking the training records /13/, it is confirmed that the project owner provides sufficient training for the employee on the technology and the monitoring of the plant operation, and the emergency and safety procedures. The trainings were provided on 11/07/2019, 28/07/2019, 27/11/2019, 02/04/2020, 30/11/2020 and 04/12/2020 respectively during this monitoring period. The same has been confirmed through interview with employees of the project owner.
	If applicable, has the reported data been cross-checked with other available data? (Yes / No)	N/A
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	N/A
Findings	N.A.	
Conclusion	All the potential negative information on assessment questionnaires answered as “No”, thus confirmed that there was no negative impact on safeguarding principles during this monitoring period. So there is no need to re-assessment the Safeguarding principles during this monitoring period.	

E.9. Stakeholder inputs and legal disputes

Means of verification	As confirmed through the onsite visit and interview with the users, it is verified that the inputs/grievances mechanism has been in place /26/. As per the onsite interview with PP and local stakeholders, it is confirmed that the questionnaires survey has been carried out for collecting the comments from local stakeholders regularly so that they can raise any questions to the project owner. Via checking the questionnaires /14/ conducted in this monitoring period and via checking Grievance Book /26/ kept by village leaders, located respectively in the Village Committee Offices of Sihao Village, Jiugou Village and Xiaomiao Village and are accessible for every villager, it is verified that there were no inputs/grievances or any feedback about legal contest received during this monitoring period. Besides, local people can raise any suggestion about negative impacts of the project operation to monitoring office at any time which has been confirmed by site interview with local stakeholders. Therefore, it is verified that they have access to provide issues or comments through questionnaires.
Findings	N/A
Conclusion	All the methods of continuous input /grievance mechanism are confirmed during on-site investigation and interviews. CTI verified that there are no comments/complaints received from the stakeholders during

	this monitoring period of the project activity.
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SECTION F. Internal quality control

The final verification report was undergone a technical review by a qualified independent reviewer before requesting issuance of the project activity. The technical review was performed by a technical reviewer qualified in accordance with CTI's qualification scheme for GS validation and verification that meets the criteria of GS4GG guidelines for qualification.

SECTION G. Verification opinion

The verification team assigned by the VVB (CTI) concludes that the 2nd periodic verification of GS programme of activities “Dongdongtan 9MWp Solar PV Project” in Gansu Province, P.R.China, as described in the registered GS PDD and final version of monitoring report, meets all relevant requirements set by the GS4GG Principles and Requirements. The project activity was correctly implemented according to selected monitoring methodology and monitoring plan. The collected monitoring data allowed to verify the amount of achieved SDG impacts. And the project is contributed to sustainability development. Thus, the VVB is pleased to issue a positive verification opinion.

SECTION H. Certification statement

Shenzhen CTI International Certification Co., Ltd (CTI) has performed the 2nd periodic verification of the SDG outcomes that have been reported for the GS project activity “Dongdongtan 9MWp Solar PV Project” in Gansu Province, P. R. of China for the monitoring period from 21/07/2019 to 07/12/2020.

The verification is based on the baseline and monitoring methodology AMS I.D. “Grid connected renewable electricity generation” (version 17.0), the PDD and the final version of monitoring report. The verification consisted of the following three phases: i) desk review of the project design and the baseline and monitoring plan; ii) follow-up on-site visit and interviews with project participants; iii) resolution of outstanding issues and the issuance of the final verification and certification report.

The PPs are responsible for the collection, calculation and determination of the SDG impacts data in accordance with the monitoring plan and the reporting of SDG impacts on the basis set out within the project monitoring report.

It is CTI’s responsibility to provide an independent verification statement on the reported SDG impacts for the project. Based on an understanding of the risks associated with reporting of SDG impacts 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 SDG impacts are fairly stated.

CTI confirms that the SDG impacts are calculated without material misstatements. Based on the evidence and information that are considered necessary to guarantee that SDG impacts are appropriately calculated, CTI confirms that the SDG impacts from the “Dongdongtan 9MWp Solar PV Project” in Gansu Province, P.R.China during the monitoring period from 21/07/2019 to 07/12/2020 as follows:

Monitoring Period Number: 2nd

Monitoring period: 21/07/2019 to 07/12/2020

The verified amount of impact for each SDG in the PA as per commitment period is stated below;

SDG No.	Total for this MP
	Vintage: 21/07/2019 to 07/12/2020
SDG 8	6 times trainings have been provided for the staffs on the technology and monitoring of the plant operation, and the emergency and safety procedures. 8 long term jobs with annual average salary of 144,751 CNY have been provided.
SDG 7	17,511.930 MWh of renewable energy supplied
SDG 13	GHG emission Reductions 15,004 t GSVERs

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emission
CAR	Corrective Action Request
NWPG	Northwest China Power Grid
CDM	Clean Development Mechanism
CL	Clarification Request
CO ₂	Carbon dioxide
CP	Crediting Period
DNA	Designated National Authority
EB	Executive Board
FAR	Forward Action Request
GHG	Green House Gas
GSC/GSP	Global Stakeholder Consultation Process
GS4GG	Gold Standard for the Global Goals
IPCC	Intergovernmental Panel on Climate Change
KP	Kyoto Protocol
LSC	Local Stakeholder Consultation
MoV	Means of Validation
MP	Monitoring Plan
ODA	Official Development Assistance
PD	Project Developer
PDD	Project Design Document
PE	Project Emission
PP	Project Participant
PS	Project Standard
QC/QA	Quality control/Quality assurance
RFR	Request for Registration
SCR	Stakeholder Consultation Report
SD	Sustainable Development
SDG	Sustainable Development Goals
SFR	Stakeholder Feedback Round
tCO ₂ e	Tonnes of Carbon di oxide equivalent
UNFCCC	United Nations Framework Convention on Climate Change
V	Version
VER	Voluntary Emission Reduction
VVB	Validation and Verification Body
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers

Mr. Wenjun DU

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 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, 01/01/2021

Mr. Li Ziqi

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 5: Chemical industry	TA 5.1: Chemical industry
	TA 5.2: Caprolactam, nitric and adipic acid
SS 11: Fugitive emissions from production and consumption of halocarbons and sulphur hexafluoride	TA 11.1: Emissions of fluorinated gases
	TA 11.2: Refrigerant gas production
SS 12: Solvents use	TA 12.1: Chemical industry

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, 01/01/2021

Appendix 3. Documents reviewed or referenced

No	Author	Title	References to the document	Provider
1.	PP	2nd periodic Monitoring Report	- version 01 dated 11/06/2022 - version 02 dated 30/08/2022 - version 2.1 dated 10/11/2022	PP
2.	PP	2nd periodic Emission Reduction Calculation spreadsheet	- version 01 dated 11/06/2022 - version 02 dated 30/08/2022 - Version 02.1 dated 10/11/2022	PP
3.	PP	Registered GS PDD	Version 05 dated 08/05/2014	PP
4.	PP	Registered GS-Passport	Version 05 dated 08/05/2014	PP
5.	TÜV Rheinland	Gs Validation Report	Version 04 dated 12/05/2014 Report No. 01 997 9105077913	GS website
6.	VVB	Previous Verification Report and MR	- FVR: Version 01.1 dated 21/05/2015 - MR: Version 02 dated 16/05/2015	GS website
7.	Electric energy measurement test center of Gansu Power Grid Company	Calibration certificates of M1 and M1'	28/10/2018 26/10/2019 20/10/2020	Project Owner
8.	Gansu Provincial Quality and Technical Supervision Bureau	Accreditation of Electric energy measurement test center of Gansu Power Grid Company	Issued on 26/01/2011, valid till 25/01/2016 Issued on 26/01/2016, valid till 25/01/2021	Project Owner
9.	State Grid Gansu Electric Power Company	Power Purchase Agreement	/	Project Owner
10.	State Grid Gansu Electric Power Company	Electricity Transaction Notes (ETNs)	The quantity of the grid electricity export, covering this monitoring period	Project Owner
		Electricity Invoices	The quantity of the grid electricity import, covering this monitoring period	
11.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Meter Reading Records (MRRs)	Meter M1, covering this monitoring period	Project Owner
12.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Operation LOG	- Power plant daily operation log. - Power plant daily dispatch log. - Maintenance plan and records. - Electric equipments operation records. - Duty shift records.	Project Owner
13.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Training Records	In relation with operation, maintenance, safety,	Project Owner
14.	Local stakeholders	stakeholder survey questionnaire	stakeholder meeting for SDG monitoring	Project Owner
15.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Monitoring Manual	Monitoring Manual for the project activity and project site management rules and regulations	Project Owner
16.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Salary Payroll of year 2019-2020	2019 - 2020	Project Owner

17.	Project Owner	Photographs of Project Site	Photographs of Project Site, polycrystalline silicon solar cell modules, Central Control Room, DCS System, all the meters and nameplate of the equipments, wastewater treatment facility, domestic solid waste collecting device	Project Owner
18.	UNFCCC	AMS I.D.	Approved CDM methodology AMS I.D.: "Grid-connected electricity generation from renewable resources" (version 17.0)	UNFCCC Website
19.	GS	GS4GG MR template	Gold Standard for Global Goals Monitoring Report Template version 1.1 in October 2020	GS Website
20.	GS	Gold Standard for the Global Goals Principles and Requirements	Version 1.2	GS Website
21.	GS	Gold Standard for the Global Goals Safeguarding Principles & Requirements	Version 1.2	GS Website
22.	GS	Gold Standard for the Global Goals Stakeholder Consultation and Engagement Requirements	Version 1.2	GS Website
23.	UNFCCC	UNFCCC website	https://cdm.unfccc.int	UNFCCC website
24.	VERRA	VCS	https://verra.org/project/vcs-program/	VCS website
25.	CCER exchange info-platform	China CCER GHG Scheme	http://cdm.ccchina.org.cn/ccer.aspx	Public Website
26.	Project Owner	Grievance Book	located respectively in the Village Committee Offices of Sihao Village, Jiugou Village and Xiaomiao Village	Project Owner
27.	China National Statistic Bureau	China Statistical Yearbook 2021	http://www.stats.gov.cn/tjsj/ndsj/2021/indexch.htm	Project Owner
28.	Gansu Electric Power Trading Co., Ltd.	Statement from local power grid company	28/07/2022	Project Owner
29.	Three Gorges New Energy Jiuquan Power Generation Co., Ltd.	Waste treatment Records	Covering this monitoring period	Project Owner
30.	GS	APPLICABILITY OF MINIMUM SITE VISIT REQUIREMENTS BY VVB	16/08/2021	GS Website

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. Remaining FAR from validation and/or previous verification

FAR ID	N/A	Section no.	Date: N/A
Description of FAR			
No FAR from the 1st verification report and Performance Review Form.			
Project participant response			Date: N/A
Documentation provided by project participant			
VVB assessment			Date: N/A

Table 2. CL from this verification

CL ID	01	Section no.	E.5	Date: 26/07/2022
Description of CL				
In the section A of the monitoring report, the demonstration of no double counting of GS VERs for this monitoring period is not clarified.				
Project participant response				Date: 30/08/2022
The project was only registered under GS program, and the GSVERs achieved during this monitoring period has not and will not seek issuance under any other GHG program. The same has been added in the section A of MR version 02.				
Documentation provided by project participant				
MR (version 02 dated 30/08/2022)				
VVB assessment				Date: 01/09/2022
The VVB has checked for double counting by reviewing all relevant registries including CDM /21/, VCS /22/ and other GHGs programs such as China CCER /35/, EU ETS, IREC or subnational, various regional schemes such as the Canadian and American provincial/state-based schemes. CTI confirmed that there is no potential exists for Double Counting of emissions reductions due to issuance of Gold Standard VERs/CO₂-certificates from the considered project activity. Furthermore, the project activity contained in the MR have been verified through checking verification report of previous monitoring period /6/ and the registered GS PDD /3/. The project equipment's information is also verified during on-site assessment and confirmed as consistent with the GS PDD /3/. Therefore, It is concluded that the double counting of the ER calculation was avoided and the risk of double counting is unlikely to happen. Therefore, CL 01 is closed.				

Table 3. CAR from this verification

CAR ID	01	Section no.	E.3	Date: 26/07/2022
Description of CAR				
By checking MR (version 01 dated 11/06/2022), the monitoring period is from 01/04/2015 to 07/12/2020. By checking FVR of previous monitoring period, it is confirmed that the previous site visit by VVB was conducted on 14/05/2015 - 15/05/2015. CTI conducted a site visit on 21/07/2022 for this monitoring period and therefore, It was identified that the site visit between previous and this monitoring period are longer than three years. As per "APPLICABILITY OF MINIMUM SITE VISIT REQUIREMENTS BY VVB" issued on 16/08/2021, in case follow-up site visits are not conducted within three years after the previous site visit, and when the delays were due to Non-Force Majeure, the VVB shall not verify the monitoring period falling before three years of the site visit date. Therefore, CTI considers the emission reductions from 01/04/2015 to 20/07/2019 of this monitoring period cannot be claimed. Please update MR accordingly.				
Project participant response				Date: 30/08/2022
On 21/07/2022, the VVB performed the site visit audit for this monitoring period and thus only GSVERs achieved during the period from 21/07/2019 to 07/12/2020 will be claimed for this monitoring period. The GSVERs achieved during the period from 01/04/2015 to 20/07/2019 will not be claimed by PP.				

Documentation provided by project participant	
MR (version 02 dated 30/08/2022)	
VVB assessment	Date: 01/09/2022
Only GS-VERs achieved during the period from 21/07/2019 to 07/12/2020 will be claimed for this monitoring period, i.e. the monitoring period is from 21/07/2019 to 07/12/2020, and the emission reductions have been recalculated. Therefore, CAR 01 is closed.	

CAR ID	02	Section no.	E.6.2	Date: 26/07/2022
Description of CAR				
By checking China Statistical Yearbook 2021 (http://www.stats.gov.cn/tjsj/ndsj/2021/indexch.htm), it was identified that the annual average salary level of power industry of Gansu Province is 90,420CNY. However, in the MR (version 01 dated 11/06/2022), it was stated that average salary level of power industry in Gansu Province is 46,701 CNY. Please clarify the reason.				
Project participant response				Date: 30/08/2022
The reported value of average salary level of power industry in Gansu Province (46,701 CNY) is confirmed to be inaccurate. The MR has been updated to keep consistency with the China Statistical Yearbook 2021.				
Documentation provided by project participant				
MR (version 02 dated 30/08/2022) and ER calculation sheet (version 02 dated 30/08/2022)				
VVB assessment				Date: 01/09/2022
In the updated MR and ER calculation sheet, the average salary level of power industry in Gansu Province have been revised to be 90,420CNY, consistent with that in China Statistical Yearbook 2021.				
Therefore, CL02 is closed.				

Table 4. FAR from this verification

FAR ID	xx	Section No.		Date: DD/MM/YYYY
Description of FAR				
No FAR from this verification				
Project participant response				Date: DD/MM/YYYY
XX				
Documentation provided by project participant				
XX				
VVB assessment				Date: DD/MM/YYYY
XX				