



Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project



Document Prepared By Earthhood Services Private Limited

Earthhood Services Private Limited

Regd. Office: 409-410, Tower B-4, Spaze I-Tech Park, Sector 49, Sohna Road, Gurgaon- 122018, INDIA

Tel: +91 124 4204599

Fax: +91 124 4204599

Website: www.earthhood.in

Email: info@earthhood.in

Project Title	Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project
Version	1.0
Report ID	Internal project ID – VCS.VER.20.209

Report Title	2 nd periodical VCS Verification report for Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project
Client	Climate Bridge (Shanghai) Ltd.

Pages	32
Date of Issue	12-August-2020
Prepared By	Earthood Services Private Limited (ESPL)
Contact	Regd. Office: 409-410, Tower B-4, Spaze I-Tech Park, Sector 49, Sohna Road, Gurgaon- 122018, INDIA Tel: +91 124 4204599 Fax: +91 124 4204599 Website: www.earthood.in Email: info@earthood.in
Approved By	Approver: Technical Reviewer: Zhi Jiang Technical Expert (1.2): Jia Yu
Work Carried Out By	Team Leader: Jia Yu Technical Expert (1.2): Jia Yu Methodology Expert: Jia Yu Local Expert : Jia Yu Verifier: Jia Yu

Summary:

- A brief description of the verification and the project***

The project activity involves the generation of electricity through a greenfield Solar Photovoltaic Power plant with a capacity of 50 MWp in Ganzhou district, Zhangye City, Gansu Province, China, that supply the generated electricity to the National power grid Northwest China Power Grid (NWCPG). The project has aimed to reduce the dependence on fossil fuel-powered power plants by substituting carbon-intensive energy with the inexhaustible and clean solar energy. As per the baseline scenario, "Electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants that are fossil fuel fired power plants". The baseline scenario is the same as the scenario existing prior to the implementation of the project activity.

- The purpose and scope of verification***

The objective of the verification is to have an independent review ex post determination by a Validation and Verification Body (VVB) of the monitored GHG emission reductions that have occurred as a result of the implementation of the project activity during a defined monitoring period.

The scope of verification includes confirming the implementation of the monitoring plan in the registered CDM PDD (Ver. 02 dated 21-May-2013) and the application of methodology ACM0002:

“Grid-connected electricity generation from renewable sources” (Version 13.0.0).

- ***The monitoring period***

This is the 2nd monitoring period started from 20-December-2018 to 30-June-2020.

- ***The method and criteria used for verification***

Verification is conducted using ESPL procedures in line with the requirements specified in the latest version of the VCS Validation and Verification Manual. The verifier assessed the project activity's compliance against the VCS Version 4.0, the selected CDM methodology and the project monitoring report. The project is eligible under Project Scope 1. The verification criteria followed the guidance documents provided by VCS included the following:

VCS standard Version 4.0, VCS Program Guide Version 4.0 and the applied CDM methodology: “Grid-connected electricity generation from renewable sources” (Version 13.0.0).

The verification consisted of three phases: a. Desk review of the project; b. Follow-up onsite visit; c. Resolution of outstanding issues and issuance of the final verification report and opinion. The overall verification, from Contract Review to Verification Report & Opinion, was conducted following ESPL's internal quality procedures.

- ***The number of findings raised during verification***

A total of 5 CARs and 1 CL have been raised during the verification process of the project activity which were successfully closed. The assessment is included in the report.

- ***Any uncertainties associated with the verification***

There are no restrictions of uncertainty.

- ***Summary of the verification conclusion***

Climate Bridge (Shanghai) Ltd. contracted ESPL to conduct the Verified Carbon Standard (VCS) 2nd periodical verification of the project, “Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project” (PL1453) with regard to the relevant requirements of VCS standard Version 4.0. ESPL confirms all verification activities including objectives, scope and criteria, level of assurance, monitoring and monitoring report adhere to VCS Version 4.0 and all associated updated as documented in this report, are complete. ESPL confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements.

ESPL concludes that the project activity “Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project” in China, as described in the Monitoring Report, meets all relevant requirements for VCS verification activity and correctly applied the methodology ACM0002 version 13.0.0.

ESPL is able to certify that the GHG emission reduction from the project during the monitoring period from 20-December-2018 to 30-June-2020 amount to 98,802 tCO_{2e}.

CONTENTS

1. Introduction	6
1.1 Objective	6
1.2 Scope and Criteria	6
1.3 Level of Assurance	6
1.4 Summary Description of the Project	7
2. Verification Process	8
2.1 Method and Criteria	8
2.2 Document Review	8
2.3 Interviews	9
2.4 Site Inspections	10
2.5 Resolution of Findings	10
2.5.1 Forward Action Requests	11
2.6 Eligibility for Validation Activities	11
3. Validation Findings	12
3.1 Participation under Other GHG Programs	12
3.2 Methodology Deviations	12
3.3 Project Description Deviations	12
3.4 Grouped Project	13
4. Verification Findings	14
4.1 Project Implementation Status	14
4.2 Safeguards	16
4.2.1 No Net Harm	16
4.2.2 Local Stakeholder Consultation	16
4.3 AFOLU-Specific Safeguards	17
4.4 Accuracy of GHG Emission Reduction and Removal Calculations	17
4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals	20
4.6 Non-Permanence Risk Analysis	21
5. Verification conclusion	22
APPENDIX 1: Documents reviewed or referenced (Verification)	24

APPENDIX 2: corrective action requests, Clarification requests AND FORWARD action requests (CAR/CL/FAR)	26
APPENDIX 3: Competence of team members and technical reviewers	29
APPENDIX 4: Abbreviations	31
APPENDIX 5: Meter calibration details	32

1. INTRODUCTION

1.1 Objective

“Climate Bridge (Shanghai) Ltd.” contracted ESPL to conduct the Verified Carbon Standard (VCS) 2nd periodical verification of the project, “Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project” (PL1453) with regard to the relevant requirements of VCS standard Version 4.0.

The objective of this verification is to verify and certify emission reductions reported for the PA “Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project” for the period 20-December-2018 to 30-June-2020.

1.2 Scope and Criteria

The scope of the verification is to establish/verify that:

- the appropriate VCS-MR template/33/ (and other templates) was used and correctly filled up (as per <https://verra.org/wp-content/uploads/2019/09/VCS-V4-Summary-of-Effective-Dates.pdf> the use of updated version of all VCS Program templates and representations is mandatory from 19 March 2020)
- the project activity is in accordance with all relevant host country criteria (China);
- the project activity is in accordance with all relevant VCS standards, rules and requirements/32/;
- the project activity is in accordance with conditions of the applied methodology ACM0002: “Grid-connected electricity generation from renewable sources” (Version 13.0.0)/24/.

The verification of the project activity is based on the registered CDM PDD/2/, VCS-PD/1/ and estimated GHG emission reduction calculations.

1.3 Level of Assurance

☒ Reasonable level of assurance

☐ Limited level of assurance

ESPL’s verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. ESPL planned and performed the verification by obtaining evidence and other information and explanations that ESPL considers necessary to give reasonable assurance that reported estimated GHG emission reductions are fairly stated. All documentary evidences were checked, and site visit was conducted to project plant site to arrive at a verification conclusion by the assessment team.

In our opinion, the GHG emissions reductions/4/ were calculated correctly on the basis of the approved baseline and monitoring methodology ACM0002, Version 13.0.0/24/ and the VCS standard/32/.

1.4 Summary Description of the Project

Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project (hereafter the project) generates renewable solar photovoltaic electricity and supplies power to the China power grid NWCPG/11/. The current monitoring period from 20-December-2018 to 30-June-2020 (First and last date included) involved the generation and supply of 112,481.846 MWh solar power from plants located in Ganzhou district, Zhangye City, Gansu Province, China. The power generated by the grid will be replacing an equivalent amount of electricity from the grid system of China which is majorly dependent on fossil-fuel based grid imports for its electricity requirements. The project is a voluntary action being undertaken by project owner of the project activity.

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy source and Sale to NWCPG. The project activity involves installation of 50 MWp solar power project in Gansu Province of China.

Verification team confirmed the capacity by verifying registered PD and also physically verified during site visit that plants are operational at project locations in Ganzhou district, Zhangye City, Gansu Province, China.

Project includes polycrystalline silicon modules (70,000 sets with each rated power of 290W and 105,000 sets with each rated power of 285W), DC/AC (Direct Current/Alternating Current) inverters (each with rated power of 500kW) and box-type transformers (with transmission voltage of 35kV) of total installed capacity of 50 MWp. Technical specification of the plants as verified by on-site checking the nameplates of the equipment and checking the equipment purchase agreements/18/ and details provided in sec. 4.1 of this report.

The electricity meters are bi-directional with accuracy of 0.2s/27/. The solar power system is manually or automatically controlled and monitored. The project is based on sectoral Scope 1: Energy Industries (renewable sources) with ACM0002: Grid-connected electricity generation from renewable sources, Version 13.0.0.

During the Current 2nd Monitoring Period from 20-December-2018 to 30-June-2020 (First and last date included) the project activity has supplied 112,481.846 MWh of electricity, and thus contributing to the GHG reductions 98,802 tCO_{2e}.

2. VERIFICATION PROCESS

The registered VCS project is undergoing 2nd periodic verification and the approach adopted to ensure the quality of emission reductions is described in the following sub-sections.

2.1 Method and Criteria

The overall verification, from Contract Review to Verification Report & Opinion, was conducted using ESPL's internal procedures. The Project was verified against the latest requirements (VCS Version 4.0) /32/, Program Guide/31/ and VCS Program Definitions/30/ set out in VCS Standards as applicable.

The verification process consists of the following three phases;

- A document review of the VCS PD/1/ and VCS MR/3/ (described in Section 2.2)
- Site visit and follow up interviews with project stakeholders (described in Section 2.3 and 2.4)
- The resolution of outstanding issues and issuance of the final report and opinion. (described in Section 2.5)

The verification process derived from all items in the verification criteria stated above. Field sampling and techniques based on the project parameters, scope and best professional judgement of the verification team in order to meet a reasonable level of assurance.

VVB's Sampling Approach: No sampling approach was required for undertaking the current verification since all monitored data was verified by the assessment team.

2.2 Document Review

The verification is performed primarily as a document review of the documents submitted at various stages of assessments. The review is performed by assessment team using dedicated protocols. The assessment team cross checks the information provided in the documents (PD, MR, validation report) and information from sources other than those used, if available, and also conducts independent background investigations. Earthood conducted a desk review as under;

- a) A review of the data and information presented to verify their completeness.
- b) A review of the monitoring plan, the monitoring methodology including applicable tool(s) and, where applicable, the applied standardized baseline, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements/5/, and the quality assurance and quality control procedures/13/.
- c) 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.

The references used in the course of this verification are summarized in Appendix 1.

2.3 Interviews

The site visits for the project activity were carried out on 15-July-2020 which covers all the locations) in the Ganzhou district, Zhangye City, Gansu Province, of China. No sampling procedures were adopted either in document verification and all the document were cross checked to ensure conservative estimation of emission reduction. Kindly find below names of the persons interviewed (during onsite and telephonic interview later) for all the sites.

S.N	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Zhu	Yue	PP Representative	15-July-2020	Implementation of the project, monitoring and emission reduction calculations	Ms. Jia Yu
2.	Ren	Hunian	PP Representative	15-July-2020		
3.	Li	Shan	PP Representative	15-July-2020		
4.	Liu	Hai	PP Representative	15-July-2020		
5.	Ming	Xiaomei	PP Representative	15-July-2020		
6.	Wang	Peng	Local officer from Environment Protection Bureau	15-July-2020	Local stakeholder meeting consultation	Ms. Jia Yu
7.	Yang	Yong	Resident	15-July-2020		
8.	Guo	Xiaoyan	Resident	15-July-2020		
9.	Chen	Genrong	Consultant	15-July-2020	MR editor issues	Ms. Jia Yu

During the on-site visit, the PP representatives were questioned about the implementation of the project activity. Several topics like the verification of commissioning date of meters, the generation, recording, and monitoring of the data and the error accountability were discussed. Various documents like the Electricity Transaction Notes/9/, sales and purchase receipts/8/ etc. were also verified at the site visit.

Several photographs were also clicked at the site to capture the nameplate data/27/, meter specifications/27/, key technical specifications of the major equipment like polycrystalline silicon modules, DC/AC inverter, box-type transformers/18/ and meters and to establish the current status and the implementation of the Project Activity.

2.4 Site Inspections

Duration of on-site inspection: 15-July-2020				
No.	Activity performed on-site	Site location	Date	Team member
1.	Assessment team checked the implementation of the project, Baseline emission, Emission reduction calculation, technical description of the project and Monitoring.	Gansu Heihe New Energy Development Co., Ltd.: Ganzhou District Zhangye city, Gansu province, P. R. China	15-July-2020	Ms. Jia Yu

A site visit was undertaken by the assessment team (Jia Yu) on 15-July-2020 to carry out the following;

- An assessment of the implementation and operation of the registered project activity as per the registered PD/1/ and MR/3/;
- A review of information flow 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 PD/1/;
- A cross-check between information provided in the monitoring report and data from other sources such as Electricity Transaction Notes/9/, sales and purchases receipts/8/, PPA agreement/11/ etc.;
- A check of the monitoring equipment including calibration performance/5/ and observations of monitoring practices against the requirements of the PD/1/, the applied methodology/24/ including applicable tool(s), and, where applicable, the applied standardized baseline;
- A review of calculations and assumptions made in determining the GHG data and emission reductions/4/;
- An identification of quality control and quality assurance procedures/13/ in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

2.5 Resolution of Findings

The findings may be of the following types: CAR- Corrective Action Request, CL- Clarification Request and FAR- Forward Action Request.

The list of findings and their resolution are presented in Appendix 2 of this verification report. The section also includes the response, if provided, by the project participants and an assessment by the assessment team if it was closed or otherwise. It is to be noted that all the findings have been satisfactorily resolved by the assessment team.

A total of 5 CARs and 1 CL were raised in the current verification. All the findings that are raised and communicated to project participant during the verification are included under Appendix 2. The section also includes the response, if provided, by the project participants and an assessment by the verification team if it was closed out or otherwise.

2.5.1 Forward Action Requests

This is 2nd periodic verification of the project activity and no FAR is raised during current verification and no FAR from previous verification as well.

2.6 Eligibility for Validation Activities

Not applicable as no validation activities have been undertaken by ESPL during this verification.

3. VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

No validation activities including gap validation have been undertaken by ESPL during this verification.

Through reviewing the registered PDD/2/ and validation report/28/ at project dedicated UNFCCC website/35/, it was validated that the project has been registered as a CDM project on 27/06/2013 with reference No. 9667, but there is no GHG credit claimed under this CDM project via verified the website.

Also, after checking project dedicated VCS website/34/, it is confirmed that the project also registered as a VCS project.

By checking I-REC website/36/, it is confirmed the project has been registered as an I-REC project. And via checking the details of I-REC sought/23/, it is confirmed that 11,140 MWh was issued as I-REC during 01-May-2015 to 12-July-2015/23/ and 3,676 MWh was issued as I-REC during 01-January-2016 to 01-February-2016/23/. The detail progress has been verified in the 1st periodic MR and verification report/29/ and also presented in the MR/3/.

The project does not participate in the other emissions trading program by checking public information on Internet/37/,/38/ and interviewing with project owner.

During the VCS first 10-year crediting period from 20-December-2012 to 19-December-2022, the project would claim for either CERs, VCU and I-RECs, however CERs, VCU and I-RECs would not been claimed together in the same period confirmed by checking statement issued by project owner/22/.

Therefore, ESPL consider the project is eligible to participate under the VCS Program as there is no double counting for the emission reduction during any period, and during this monitoring period from 20-December-2018 to 30-June-2020, all credits will be claimed under VCS program as VCU for the project to avoid double counting and will not be used for compliance with emission trading programs or to meet binding limits on GHG emissions/22/.

CAR 03 was raised on the issue of evidence of I-REC and same were resolved by revision in the MR.

Please refer Appendix 2 for further details.

3.2 Methodology Deviations

No methodology deviation is envisaged for present verification.

3.3 Project Description Deviations

No Project Description Deviations occurred during this monitoring period. However, via checking the previous monitoring report and verification report, it is verified that below deviation has been addressed.

The project was registered under CDM scheme on 27-June-2013 with UNFCCC reference number of 9667. According to CDM standard, the crediting period is 01-July-2013 to 30-June-2020, which could be renewed twice/2/.

The project was registered under VCS scheme in 2015/34/. In the registered PD/1/, as the project commission date is 20-December-2012, then the first crediting period of the project has been chosen as 20-December-2012 to 19-December-2019. While according to VCS standard Version 3 which was valid at registration time, the project crediting period is allowable for 10 years and could be renewed twice. Therefore, the first crediting period of project has been determined as 20-December-2012 to 19-December-2022.

The deviation has no impact for the applicability of the methodology, additionality or the appropriateness of the baseline scenario and meet all appropriate rules and requirements of VCS standard.

3.4 Grouped Project

This is not a grouped project. Thus, this section is not applicable.

4. VERIFICATION FINDINGS

4.1 Project Implementation Status

During the verification site visit it was concluded that the project is implemented as per the instruction of the registered CDM PDD/2/, VCS PD/1/ and Final Validation report/28/. During the current monitoring period it was observed that no unforeseen situation evolved which can impact the operation of the project activity. Scheduled maintenance was carried out as per the instruction of the manufacturer and the same is acceptable to the assessment team/16/.

The installed capacity of the project is 50 MWp, consisting of 70,000 sets of polycrystalline silicon modules with unit capacity of 290 W and another 105,000 sets of polycrystalline silicon modules with unit capacity of 285 W/18/. The electricity generated is transmitted to the Gansu Power Grid via Heihe 110kV substation, which was then exported to the NWCPG/11/. The project activity was expected to supply 71,125 MWh of electricity to the grid annually in the first 10 years/1/. The construction of the project started on 25-August-2012/40/ and the commissioning time was 20-December-2012 verified by site visit interview and checking registered PD/1/.

The assessment team physically visited the solar power plant site in order to verify the status of the project implementation of the monitoring plan/1/. It has also been verified as per the guidelines in ACM0002: Grid-connected electricity generation from renewable sources, Version 13.0.0 that the calculations for the GHG emission reductions are done in accordance with the aforesaid methodology/24/.

The assessment team also confirmed that the monitoring system for emission reduction calculation was in place and in accordance with the registered CDM PDD/2/. There was no deviation observed by the assessment team in the implementation of the monitoring system/27/ from the registered CDM PDD during the current monitoring period/2/.

During the current monitoring duration, no events have been found that can change the design of project/27/.

The details of the project location as confirmed during site visit are mentioned in the table below:

Name of Investor	Capacity (MW)	District	City	Province	Latitude (N)	Longitude (E)
Gansu Heihe Hydropower New Energy Development Co., Ltd.	50 MWp	Ganzhou	Zhangye	Gansu	38° 50'11" - 38° 51'00"	100° 11'42.58" - 100° 13'48.48'

Capacity of the projects and date of commissioning verified with PD/1/ and technical specifications provided by technology supplier/18/.

Geo coordinates checked on google earth/39/ and also checked during site visit by GPS device and verification team conclude geo coordinates of project locations are consistent with PD/1/.

Assessment team checked the technical details of the project activity from the manufactures specification/18/ and the detail are as follow:

Equipment	Parameters	Unit	Value	Module	Quantity
Solar Modules	Rated power	Wp	290	JKM- 290P-72	70,000
	Operating voltage	V	36.4		
	Operating current	A	7.97		
	Lifetime	year	25		
	Rated power	Wp	285	JKM285P-72	105,000
	Operating voltage	V	36		
	Operating current	A	7.92		
	Lifetime	year	25		
Inverter	Rated power	kW	500	SG500KTL	80
	AC voltage	V	270		
	DC current	A	1,176		
	Lifetime	year	25		
	Rated power	kW	500	EHE- N500KTL	20
	AC voltage	V	270		
	DC current	A	1,070		
	Lifetime	year	25		

The project is running smoothly ever since commissioning with regular scheduled maintenance/16/.

The project activity contributes to the sustainable development by Job creation, Reduction in GHG emissions, Reduction of fossil fuel use and Increase of power supply aspects confirmed during site visit/27/ and interview with plant staffs.

Assessment team concludes the following:

- The implementation status of project activity was found to be in compliance with registered PD/1/.
- There is no proposed or actual change to the project design during this monitoring period.
- VVB has conducted the on-site visit to confirm the implementation status of the project/27/.
- The commissioning date of the project activity was found to be accurately and consistently recorded/15/,/1/.

- e) The actual operation of project activity was found to be in compliance with the flow diagram provided in registered PD/1/.
- f) All required equipment and procedures are available and implemented in an appropriate manner.
- g) The emission reductions achieved during the current monitoring period from 20-December-2018 to 30-June-2020 are 98,802 tCO₂e/4/.

The emission reduction resulted from the project during this monitoring period would only apply for VCUs. The project only applies CERS, VCUs and I-RECs under CDM, VCS and I-REC respectively and no other form of environmental credit claimed. There are no CDM issuance up to the completion time of verification report during this monitoring period and there are surely no other forms of environmental credits applied or issued for the project activity.

CL 01, CAR 01, and CAR 02 were raised on the issue of description and same were resolved by revision in the MR. Please refer Appendix 2 for further details.

4.2 Safeguards

4.2.1 No Net Harm

By checking the EIA summary/19/ and conclusion provided in the registered PD/1/, it is confirmed that solar power is green power and the impact caused by solar power on the surrounding ecosystem and residents, water, 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/20/.

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/27/.

4.2.2 Local Stakeholder Consultation

i. Local Stakeholder Consultation during the project preparation stage:

The local stakeholder's meeting was held in Ganzhou District, Zhangye City on 15-August-2012 to 16-August-2012. 30 participants attended the meeting including local residents, builders and members of the local authorities. The project owner introduced the proposed project, and then a survey was arranged through a one-page questionnaire, which was designed to be easily filled in. The opinions expressed by the stakeholders were recorded and are available on request.

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

ii. Local Stakeholder Consultation during the project implementation stage:

Communications with Local stakeholders was being carried out at periodic intervals on 22-October-2015 and 10-August-2018 which is confirmed by checking the filled questionnaires from local stakeholders/LSCR/.

During the implementation stage of this monitoring period, via checking the local communication survey records/21/ and interview with the local officer and local residents during site visit, it is

confirmed that the local authority has conducted follow-up interviews and ongoing communication with local stakeholders to collect any comments or inputs to the project implementation. Based on the assessment team's local expertise, it is confirmed that the local government agencies and competent authorities will conduct spot checks on the implementation of the project from time to time as per the request from the local government's regulations.

Via interview with the local officer and local residents during site visit, it is verified 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. Hence there is no need to change the project design based on the stakeholder inputs.

All such conclusion has been verified through site visit, interviews and check local stakeholder consultation records/LSCR/.

4.3 AFOLU-Specific Safeguards

This is non AFOLU projects, hence this section not applicable.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

Means of verification	The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the MR/3/ and ER sheet/4/ is correct. The verification team has checked whether calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the monitoring plan of the CDM PDD/2/ and MR/3/.
Findings	CAR 04 and CAR 05 were raised on this section and closed successfully. Please refer Appendix 2 for further details.
Conclusion	Ex-ante Parameter: $EF_{grid,CM,y}$ = Parameter is fixed ex-ante for the entire 1st 10 years crediting period and as per the validated CDM PDD/2/same is fixed 0.8784 tCO₂e/MWh. Verification team found same was used in the ER calculations/3/,/4/. Ex ante value of emission factor is taken from 2012 Baseline Emission Factors for Regional Power Grids in China issued by China DNA/25/. Verification team checked the $EF_{grid,CM,y}$ value and found in consistent with registered CDM PDD/2/. Monitored Parameter: $EG_{facility,y}$ is Quantity of net electricity generation supplied by the project plant to the grid in year y, which is verified as 112,481.846 MWh during this 2nd Monitoring Period. Quantity of net electricity generation supplied by the project plant to the grid in year y ($EG_{facility,y}$) are calculated by The quantity of electricity supplied by the project to the grid ($EG_{export,y}$) and The quantity of electricity delivered to the project from the grid ($EG_{import,y}$) as below:

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

For both The quantity of electricity supplied by the project to the grid ($EG_{\text{export},y}$) and The quantity of electricity delivered to the project from the grid ($EG_{\text{import},y}$) are all sourced from Meter Reading Records/7/ issued by the project owner, Electricity Transaction Notes/9/ issued by power grid company covering monitoring period and crosschecked same with the sales and purchases receipts/8/ raised by PP and grid company for the monitoring period.

For The quantity of electricity supplied by the project to the grid ($EG_{\text{export},y}$):

2 bidirectional electricity meters (one as main (M1) and another as backup (M2)) installed at Hehei 110kV substation and project site separately were measured continuously, recorded monthly and archived electronically. At 24:00 hr of the last day of each month, the staff from project owner will record 2 bidirectional electricity meters' readings and form Meter Reading Records/7/. The staff from power grid company will record the meter readings of main meter then transcribes the data into Electricity Transaction Notes/9/ then after the confirmation of the project owner for the Electricity Transaction Notes/9/, the project owner issues the receipts/8/.

For The quantity of electricity delivered to the project from the grid ($EG_{\text{import},y}$):

2 bidirectional electricity meters (one as main (M1) and another as backup (M2)) installed at Hehei 110kV substation and project site separately were measured continuously, recorded monthly and archived electronically. At 24:00 hr of the last day of each month, the staff from project owner will record 2 bidirectional electricity meters' readings and form Meter Reading Records /7/. The staff from power grid company will record the meter readings of main meter then transcribes the data into Electricity Transaction Notes/9/ then after the confirmation of the project owner for the Electricity Transaction Notes/9/, the power grid company will issue the receipts/8/.

The data for Meter Reading Records /7/, Electricity Transaction Notes/9/ and related sales and purchases receipts/8/ have been sent to the VCS consulting company for reporting of GHG emission reduction. The conservative one would be used for ER calculation.

The parameter was measured continuously and recorded monthly by 2 bi-direction electricity meters installed at Hehei 110kV substation and project site separately during the monitoring period verified by site visit. The installation is confirmed in line with the national standard DL/T448-2016 /26/.

See below for the information of 2 bi-direction electricity meters and verified by site visit and checking calibration certificates /28/:

Meter	Type	Serial No.	Accuracy	Monitoring parameter
Main Meter (M1)	MK6E	210140205	0.2s	$EG_{\text{export},y}$ $EG_{\text{import},y}$

	Backup (M2)	Meter	MK6E	210140204	0.2s	EG _{export,y}										
						EG _{import,y}										
The type, serial number and accuracy have been confirmed by site inspection. The calibration information is shown in Appendix 5 of this report. The calibration was conducted by accredited third parties which is Gansu Electric Power Company Energy Measurement Center who was accredited by Quality and Technical Supervision Bureau of Gansu valid from 29-September-2018 to 28-September-2022/6/. All values are found correct. All the parameters are monitored and recorded as per the monitoring plan in the MR. Monitoring system/12/ was verified by site visit, checking calibration certificates, all monitoring method meets the description in the PD/1/. Calibration was verified by checking calibration certificate and Accreditation certificate, all calibration of monitoring equipment meets the requirement indicated in the PD/1/. QA/QC procedure for meter calibration maintenance and recording/13/; procedure for monitoring staff training and competence/14/ were established and implemented. The data flow and protection process was observed during the on-site verification. The verification team has crosschecked the emission reduction sheet/4/ and monitoring report data/3/ with the Meter Reading Records /7/, Electricity Transaction Notes/9/ and related sales and purchases receipts/8/ and found all the values are matching. Baseline Emissions Calculation Assessment: The formula used for the determination of baseline emissions which is consistent with the registered PDD/2/ and the applied methodology ACM0002 (version 13.0.0)/24/: $BE_y = EG_{facility,y} * EF_{grid,CM,y}$ According to the PDD, as the project is a greenfield power plant, thus $EG_{PJ,y}$ is equal to $EG_{export,y}$ minus $EG_{import,y}$ in monitoring plan. Where: BE_y Baseline Emissions (tCO₂e) $EG_{facility,y}$ Quantity of net electricity generation supplied by the project to the grid in year y (MWh/yr) $EG_{export,y}$ The quantity of electricity supplied by the project to the grid (MWh/yr) $EG_{import,y}$ The quantity of electricity delivered to the project from the grid (MWh/yr) $EF_{grid,CM,y}$ Combined margin CO₂ emission factor for Northwest China Power Grid in year y (tCO₂e/MWh) Calculation result of BE_y <table><tr><th>Period</th><th>EG_{export,y} (MWh)</th><th>EG_{import,y} (MWh)</th><th>EF_{grid,CM,y} (tCO₂/MWh)</th><th>BE_y (tCO₂e)</th></tr><tr><td>20-December-2018</td><td>1,658.760</td><td>51.420</td><td>0.8784</td><td>1,411</td></tr></table>							Period	EG _{export,y} (MWh)	EG _{import,y} (MWh)	EF _{grid,CM,y} (tCO ₂ /MWh)	BE _y (tCO ₂ e)	20-December-2018	1,658.760	51.420	0.8784	1,411
Period	EG _{export,y} (MWh)	EG _{import,y} (MWh)	EF _{grid,CM,y} (tCO ₂ /MWh)	BE _y (tCO ₂ e)												
20-December-2018	1,658.760	51.420	0.8784	1,411												

	~31-December-2018				
	01-January-2019 ~31-December-2019	73,516.540	1,109.136	0.8784	63,602
	01-January-2020 ~30-June-2020	39,057.456	590.354	0.8784	33,789
	Subtotal	114,232.756	1,750.910	0.8784	98,802
	Project Emission Calculation Assessment: There are no project emissions for the solar power electricity generation project which is confirmed as consistent with the registered CDM PDD/2/ and applied methodology/24/. Hence PE _y =0.				
Leakage Calculation Assessment: As per ACM0002 - Version 13.0.0, Leakage emissions are not considered for the project activity. Hence LE _y =0.					
Emission Reductions Calculation Assessment: Summary of emission reductions during the monitoring period: $ER_y = BE_y - PE_y - LE_y$ $= BE_y$ Where: ER_y -Emission reductions (t CO ₂ e) BE_y -Baseline Emissions (t CO ₂ e) PE_y -Project Emissions (t CO ₂ e) LE_y -Leakage Emissions (t CO ₂ e)					
Emission Reductions Calculation					
	Year	Baseline emissions or removals (tCO₂e)	Project emissions or removals (tCO₂e)	Leakage emissions (tCO₂e)	Net GHG emission reductions or removals (tCO₂e)
	20-December-2018~31-December-2018	1,411	0	0	1,411
	01-January-2019~31-December-2019	63,602	0	0	63,602
	01-January-2020~30-June-2020	33,789	0	0	33,789
	Total	98,802	0	0	98,802

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

Means of verification	The verification team checked and confirmed the monitoring has been carried out in accordance with the monitoring plan contained in the registered CDM PDD /2/. During the verification site visit the project location and plant implementation is also checked. The parameter was measured continuously and recorded monthly by 2 bi-direction electricity meters installed at Heihe 110kV substation and
-----------------------	---

	project site separately during the monitoring period verified by site visit. Main meter M1 is being used for electricity generation and purchase statements and receipts. The Net electricity supplied to the grid is then calculated from export and import values. The net electricity exported to the grid is also cross checked from the sales and purchased receipts raised to respective electricity export and import which is in line with Methodology requirement for the project activity. The main meter reading is taken jointly on last day of every month for the preceding month at the delivery point and signed by the representatives of grid company and project owner. In the event of failure of main meter, the backup meter will be used in monitoring the electricity data. The details of Calibration of the meters as confirmed during site visit and details of calibration certificates are mentioned in Appendix 5 of this report/5/. The assessment team checked the same and found correct. It is reported that the data will be kept for 2 years following the end of the crediting period. The responsibilities and authorities of project management, data handling and recording, measurement methods and QA/QC procedure have been systematically established and formalized and the same was verified during the site visit.
Findings	N/A
Conclusion	As a result of verification of the ER calculation process, the verifier confirmed that all the parameters required for the determination of the emission reductions have been included in the MR /3/ and ER Calculation Spreadsheet /4/ and are consistent with the applied methodology ACM0002 version 13.0.0/24/ and the monitoring plan contained in the registered CDM PDD/2/. The parameters are complete in this monitoring period. After verifying the reported figures with the raw data sources, it's confirmed that the values of the parameters from the raw data sources are consistent with those quoted in the ER Calculation Spreadsheet/4/ and the MR/3/. The verification process for the same has been clearly described above in section 4.4 of the report.

4.6 Non-Permanence Risk Analysis

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	
NA	NA	NA	NA	NA

5. VERIFICATION CONCLUSION

Earthood Services Private Limited (Earthood), contracted by Climate Bridge (Shanghai) Ltd. has performed the independent 2nd periodical verification of the emission reductions for the VCS project activity reference number 1453 “Gansu Ganzhou District Nantan Phase I 50MWp Solar Photovoltaic Power Project” in China for the monitoring period 20-December-2018 to 30-June-2020 reported in the Monitoring Report Version 02 dated 11-August-2020.

It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity.

Earthood commenced the verification on the basis of the baseline and monitoring methodology “ACM0002 - Version 13.0.0”, the monitoring plan contained in the registered CDM PDD version 02 and VCS guidelines version 4.0, Monitoring Report Version 02 dated 11-August-2020 as per the process described under Section 2 of this report.

Earthood’s verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. Earthood planned and performed the verification by obtaining evidence and other information and explanations that Earthood considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

In our opinion the GHG emissions reductions reported for the project activity for the period 20-December-2018 to 30-June-2020 are fairly stated in the Monitoring Report Version 02 dated 11-August-2020. The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology “ACM0002 - Version 13.0.0” and the VCS standard version 4.0.

Verification period: 20-December-2018 to 30-June-2020 (inclusive of both days).

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

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
20-December-2018~ 31-December-2018	1,411	0	0	1,411
01-January-2019~ 31-December-2019	63,602			63,602
01-January-2020~ 30-June-2020	33,789			33,789
Total	98,802	0	0	98,802

Approved by



Dr Kaviraj Singh

Date: 25/08/2020

Earthood Services Privated Limited

Place: Gurgaon, Haryana

APPENDIX 1: DOCUMENTS REVIEWED OR REFERENCED (VERIFICATION)

S.No	Title of Document	Version	Date
1.	Registered VCS PD	02	02/06/2015
2.	Registered CDM PDD	02	21/05/2013
3.	Draft VCS Monitoring Report	1.0	02/07/2020
	Final VCS Monitoring Report	2.0	11/08/2020
4.	Draft ER spreadsheet (corresponding to the final monitoring report)	1.0	02/07/2020
	Final ER spreadsheet (corresponding to the final monitoring report)	2.0	28/07/2020
5.	Certificates of Calibration for Main meter and Backup meter belongs to project activity covering this monitoring period issued by Gansu Electric Power Company Energy Measurement Center	-	15/10/2018 15/10/2019
6.	Certificate of metrological authorization to Gansu Electric Power Company Energy Measurement Center issued by Quality and Technical Supervision Bureau of Gansu valid from 29-September-2018 to 28-September-2022	-	29/09/2018
7.	Meter reading records for both Main meter and backup meter	-	-
8.	Sales and Purchases Receipts issued by Project owner and grid company for the duration of monitoring period	-	-
9.	Monthly Electricity Transaction Notes for the duration of monitoring period	-	-
10.	EG _{export,y} and EG _{import,y} for period 20-December-2018~31-December-2018 is revised based on the actual meter reading data from the statement of project owner	-	23/07/2020
11.	Power Purchase Agreements signed between project owner and local grid company	-	29/11/2012
12.	Power Wiring Diagram	-	-
13.	QA/QC procedures	-	-
14.	Training and Operation Staff Competence Records	-	-
15.	Operation LOG	-	-
16.	Project Operation and Maintenance Records	--	-
17.	Business License of Gansu Heihe Hydropower New Energy Development Co., Ltd.	-	06/06/2012
18.	Main Equipment Purchase Agreement including Technical Specifications	-	08/05/2012
19.	Environment Impact Assessment issued by Heihe Hydropower New Energy Development Co., Ltd.	-	May. 2012

S.No	Title of Document	Version	Date
20.	Approval of EIA issued by Environment Protection Bureau of Gansu	-	06/06/2012
21.	Local communication survey records	-	22/10/2015 10/08/2018
22.	Letter of statement dated from PP regarding not having created or sought any other form of environmental credit for the same period and double counting	-	24/07/2020
23.	I-REC Statement with screen shot of the project I-REC issue history	-	-
24.	Approved CDM methodology ACM0002 - Grid-connected electricity generation from renewable sources	13.0.0	-
25.	2012 Baseline Emission Factors for Regional Power Grids in China issued by China DNA	-	15/10/2012
26.	Technical administration code of meter, DL/T 448-2016 technical administration code of electricity energy metering	-	-
27.	On-site assessment, interviews of plant staff, Photographs of Project Site, surrounding environment including air and water, main equipment and meters, etc.	-	15/07/2020
28.	Validation Report 1. CDM validation report, dated 17/06/2013 2. VCS validation report, dated 02/06/2015	-	-
29.	Previous verification: MR Verification Report for VCS	04 01.2	22/02/2020 22/02/2020
30.	VCS Program Definitions, v4.0	-	-
31.	VCS Program Guide, v4.0	-	-
32.	VCS Standard, v4.0	-	-
33.	VCS-Monitoring-Report-Template-v4.0	-	-
34.	VCS webpage for the project, VCS ID 1453; https://www.vcsprojectdatabase.org/#/project_details/1453/	-	-
35.	Project dedicated UNFCCC webpage, UNFCCC ID 9667; https://cdm.unfccc.int/Projects/DB/China%20Quality1372055565.71/view	-	-
36.	I-REC website https://www.irecstandard.org/	-	-
37.	GS website https://www.goldstandard.org/	-	-
38.	China CER website http://cdm.ccchina.org.cn/ccer.aspx	-	-
39.	Google Earth desktop	-	-
40.	Construction Started Order	-	25-08-2012

APPENDIX 2: CORRECTIVE ACTION REQUESTS, CLARIFICATION REQUESTS AND FORWARD ACTION REQUESTS (CAR/CL/FAR)

Table 1. Remaining FAR from previous verification

FAR ID	N/A	Section no.		Date :DD/MM/YYYY
Description of FAR				
Project participant response				Date :DD/MM/YYYY
NA				
Documentation provided by project participant				
NA				
VVB assessment				Date: DD/MM/YYYY
NA				

Table 2. CL from this verification

CL ID	01	Section no.	4.1	Date : 17/07/2020
Description of CL				
It is observed that the construction start date is listed as 25-August-2012 which is not consistent with the 1 st MR and verification report, clarification is requested.				
Project participant response				Date : 28/07/2020
The construction of the project started on 25-August-2012 which is proved by construction started order, the date of 08-May-2012 in the 1 st MR and verification report is the start date of the project which has been defined as per CDM requirement and it is the date when the PV Module Purchase Contract was signed, not the real construction started date.				
Documentation provided by project participant				
Construction started order /40/				
VVB assessment				Date: 03/08/2020
It is confirmed that the start date of project was 08-May-2012 which has been defined in the PDD as the date when the PV Module Purchase Contract was signed, while purchase contract does not mean started construction. Hence via checking the evidence of Construction started order /40/, it is confirmed that the real construction started date is 25-August-2012.				

Table 3. CAR from this verification

CAR ID	01	Section no.	4.1	Date: 17/07/2020
The abbreviation name of Northwest China Power Grid is not consistent with PDD and PD.				
Project participant response				Date: 28/07/2020

It is revised the abbreviation name of Northwest China Power Grid in the updated MR to NWCPG.	
Documentation provided by project participant	
VCS Monitoring Report /3/ V2.0	
VVB assessment	Date: 03/08/2020
The revised MR is checked, it is confirmed that the abbreviation name of Northwest China Power Grid is change to NWCPG which is consistent with PDD and PD.	
CAR 01 is closed.	

CAR ID	02	Section no.	4.1	Date: 17/07/2020
In sec. 1.8 of MR, references of Methodology and tools are missing.				
Project participant response				Date: 28/07/2020
It is supplemented the references of methodology and tools in section 1.8 of MR.				
Documentation provided by project participant				
VCS Monitoring Report /3/ V2.0				
VVB assessment				Date: 03/08/2020
The revised MR is checked, it is confirmed that the references of Methodology and tools are added which has been verified as correct by checking the <u>registered PDD</u> .				
CAR 02 is closed.				

CAR ID	03	Section no.	3.1	Date: 17/07/2020
In sec. 1.10 of MR, the evidence of details of I-REC is not provided.				
Project participant response				Date: 28/07/2020
The I-REC statement is provided to VVB.				
Documentation provided by project participant				
VCS Monitoring Report /3/ V2.0, I-REC Statement with screen shot of the project I-REC issue history/23/				
VVB assessment				Date: 03/08/2020
I-REC statement/23/ is provided by PP. Via checking the details of I-REC sought by I-REC statement/23/, it is confirmed that 11,140 MWh was issued as I-REC during 01-May-2015 to 12-July-2015/23/ and 3,676 MWh was issued as I-REC during 01-January-2016 to 01-February-2016/23/. The detail progress has been verified in the 1 st periodic MR and verification report/29/ and also presented in the MR/3/. CAR 03 is closed.				

CAR ID	04	Section no.	4.4	Date: 17/07/2020
In sec. 4.3 of MR, the accuracy of meters is not the actual one.				
Project participant response				Date: 28/07/2020
The accuracy of meters is revised as 0.2S in line with the actual meters.				
Documentation provided by project participant				
VCS Monitoring Report /3/ V2.0				
VVB assessment				Date: 03/08/2020
The revised MR is checked, it is confirmed that the actual accuracy of the meters is listed and confirmed as correct by site inspection. CAR 04 is closed.				

CAR ID	05	Section no.	4.4	Date: 17/07/2020
In sec. 5.1 of MR,				
1. The description of $EF_{grid,CM,y}$ is not same to the section 4.1 of MR.				
2. The calculation method of $EG_{export,y}$ and $EG_{import,y}$ for period 20-December-2018~31-December-2018 is not reasonable and conservative, the actual meter reading data need to be provided for the actual electricity calculation.				
Project participant response				Date: 28/07/2020
1. It is revised the description of $EF_{grid,CM,y}$ in section 5.1 of MR.				
2. The $EG_{export,y}$ and $EG_{import,y}$ for period 20-December-2018~31-December-2018 is revised based on the actual meter reading data from the statement of project owner.				
Documentation provided by project participant				
VCS Monitoring Report /3/ V2.0				
ER spreadsheet /4/ V2.0				
$EG_{export,y}$ and $EG_{import,y}$ for period 20-December-2018~31-December-2018 is revised based on the actual meter reading data from the statement of project owner /10/				
VVB assessment				Date: 03/08/2020
1. The revised MR is checked, it is confirmed that the description of $EF_{grid,CM,y}$ is same to the section 4.1 of MR and PDD.				
2. The revised MR is checked, it is confirmed that the calculation method of $EG_{export,y}$ and $EG_{import,y}$ for period 20-December-2018~31-December-2018 has been revised, <u>the actual meter reading data have been applied/10/ for the actual electricity calculation.</u> Via checking the evidence/10/ comparing with the meter reading record/7/, it is confirmed that the $EG_{export,y}$ and $EG_{import,y}$ for period 20-December-2018~31-December-2018 has been correctly calculated in the MR. And the ER value is confirmed as re-calculated and verified as correct.				
CAR 05 is closed.				

Table 4. FAR from this verification

FAR ID	N/A	Section no.		Date: DD/MM/YYYY
Description of FAR				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
VVB assessment				Date: DD/MM/YYYY

APPENDIX 3: COMPETENCE OF TEAM MEMBERS AND TECHNICAL REVIEWERS

Competence Statement			
Name	Jia Yu		
Country	India		
Education	Master of Science (Environmental Studies)		
Experience	12 Years +		
Field	Climate Change		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Methodology Expert	YES (ACM0002, AMS-I.D.)		
Local expert	YES (China)		
Financial Expert	NO		
Technical Reviewer	NO		
TA Expert	Yes (TA1.2)		
Reviewed by	Shreya Garg	Date	26/03/2020
Approved by	Anshika Gupta	Date	26/03/2020

Competence Statement			
Name	Zhi Jiang		
Country	China		
Education	M.Tech (Chemical Engineering)		
Experience	20 Years +		
Field	Climate Change		
Approved Roles			
Team Leader	YES		
Validator	YES		
Verifier	YES		
Methodology Expert	YES (AMS I.D, ACM0002)		
Local expert	YES (China)		
Financial Expert	NO		
Technical Reviewer	YES (For GS/VCS/CCB)		
TA Expert	YES for CDM (TA 1.2) YES for GS/VCS/CCB (TA 1.1, TA 1.2, TA 4.1, TA 5.1, TA 9.2, TA 13.1, TA 14.1)		
Reviewed by	Shreya Garg	Date	26/03/2020
Approved by	Anshika Gupta	Date	26/03/2020

APPENDIX 4: ABBREVIATIONS

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction(s)
CL	Clarification request
CM	Combined Margin
CMS	Central Monitoring system
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DNA	Designated National Authority
DR	Document Review
EB	CDM Executive Board
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GS	Gold Standard
GWP	Global Warming potential
MP	Monitoring plan
MR	Monitoring Report
NWCPG	Northwest China Power Grid
PD	Project Description
PDD	Project Design Document
PP	Project Participant
QA/QC	Quality assurance/Quality control
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Verified Carbon Standard
VCSA	Verified Carbon Standard Association
VCU	Verified Carbon Unit
VVB	Validation/Verification Body

APPENDIX 5: METER CALIBRATION DETAILS

Calibration details of meter as checked during site visit and certificates submitted by PP/5/ are as follows:

Meter Information and Calibration details		
Meter Details	Main Meter	Backup Meter
Meter Serial No	210140205	210140204
Meter Type	MK6E	MK6E
Accuracy Class	0.2s	0.2s
Date of Calibration prior to MP	15-October-2018/5/	15-October-2018/5/
Date of subsequent Calibration	15-October-2019/5/	15-October-2019/5/
Validity of Calibration	14-October-2020/5/	14-October-2020/5/
If Delay in calibration: yes/no	No	No
If covering MP	Yes	Yes