



Bundled Solar Photovoltaic Project by ACME



By KBS Certification Services Pvt. Ltd.

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Prepared By	KBS Certification Services Pvt. Ltd.

Contact	Registered Office: KBS Certification Services Pvt. Ltd. 414-424, Om Shubham Tower, Neelam Bata Road, N.I.T. Faridabad, Haryana-121001, India Tel: +91 129 4034513, 4054513, Website: www.kbscertification.com
Approved By	Kaushal Goyal Managing Director
Work Carried Out By	Team Leader & Technical Expert (TA 1.2): Ms. Deboshmita Dey Technical Reviewer: Mr. Tushar Eknath Chaudhari Manager T & C: Mr. Tushar Eknath Chaudhari

Summary:

KBS Certification Services Pvt. Ltd. has been contracted by, “EKI Energy Services Limited.” to undertake verification and certification for the greenhouse gas (GHG) emission reductions reported from ‘Bundled Solar Photovoltaic Project by ACME’ for the monitoring period 01/02/2020 to 24/04/2021 (Inclusive of both days), under the crediting period 10/02/2017 to 09/02/2027, in the initial monitoring report version 01 dated 21/03/2021, with regard to the relevant requirements of VCS Standard Version 4.1.

The Bundled Solar Photovoltaic Project by ACME with a total capacity of 1207.5 MW is a grouped project activity located in India. ACME Cleantech Solutions Private Limited is a parent company of all project activity instances formed as different SPV (Special Purpose Vehicles) for solar projects and projects are developed by name of SPVs. The electricity generated is exported to the regional grid system which is under the purview of the Indian grid.

The project activity has been operational since commissioning (10-February-2017) and the project involves 16 SPVs including both large scale and small-scale instances.

The verification is based on the VCS PD, Monitoring report (MR), Emission reduction calculation spread sheet (ER sheet), proof of title, proof of right, additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and supporting documents made available to the verification team by project proponent.

A risk-based approach has been followed to perform the verification of the project activity. During verification, 04 Corrective Action Requests (CARs) and 03 Clarification Requests (CLs) have been

raised. All the CARs and CLs have been closed out successfully. Also, a FAR has been raised from the validation.

It is our responsibility to express an independent GHG verification opinion on the GHG emissions and on the calculation of GHG emission reductions from the project for the period 01/02/2020 to 24/04/2021 (Inclusive of both days) based on the reported emission reductions in the final monitoring report version 2 dated 26/07/2021 for the same period.

Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, KBS planned and performed our work to obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

As a result of the verification, the verification team confirms that:

- The project fulfils criteria of VCS Standard Version 4.1.
- The project is in line with all relevant VCS requirements /5/.
- Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board and VCS Association;
- All information and references relevant to the project activity resulting in emission reductions;

The monitoring is transparent, adequate and in line with applied baseline and monitoring methodology of ACM0002: Grid-connected electricity generation from renewable sources — Version 19.0 (for large scale instances) and AMS I-D, Version 18 (for small scale instances)/10/.

Based on the information seen and evaluated we confirm that the implementation of the project has resulted in 2,546,833 tCO₂e emission reductions during the monitoring period (01/02/2020 to 24/04/2021 (Inclusive of both days)), under the first crediting period (10/02/2017 to 09/02/2027).

Contents

1 Introduction	6
1.1 Objective	6
1.2 Scope and Criteria	6
1.3 Level of Assurance.....	7
1.4 Summary Description of the Project	9
2 Verification Process.....	9
2.1 Method and Criteria.....	9
2.2 Document Review	10
2.3 Interviews	11
2.4 Site Inspections.....	11
2.5 Resolution of Findings	12
2.5.1 Forward Action Requests	13
2.6 Eligibility for Validation Activities	13
3 Validation Findings.....	13
3.1 Participation under Other GHG Programs	13
3.2 Methodology Deviations.....	13
3.3 Project Description Deviations.....	14
3.4 Grouped Project	14
4 Verification Findings.....	14
4.1 Project Implementation Status	14
4.2 Safeguards	19
4.2.1 No Net Harm.....	19
4.2.2 Local Stakeholder Consultation	19
4.3 AFOLU-Specific Safeguards	19
4.4 Accuracy of GHG Emission Reduction and Removal Calculations	19
4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals	22
4.6 Non-Permanence Risk Analysis.....	22
5 Verification conclusion	22
APPENDIX 1: REFERENCES	25
APPENDIX 2: FINDINGS	26

APPENDIX 3: Competence of team members	32
APPENDIX 4: CALIBRATION DETAILS OF METERS	34

1 INTRODUCTION

1.1 Objective

KBS Certification Services Pvt. Ltd. has been contracted by, “EKI ENERGY SERVICES LIMITED.” to undertake verification and certification for the greenhouse gas (GHG) emission reductions reported from ‘Bundled Solar Photovoltaic Project by ACME’ for the monitoring period 01/02/2020 to 24/04/2021 (Inclusive of both days), under the crediting period 10/02/2017 to 09/02/2027, in the initial monitoring report version 01 dated 21/03/2021, with regard to the relevant requirements of VCS Standard Version 4.1. The VCS projects must undergo an independent third-party verification and certification of emission reductions as the basis for issuance of Voluntary Emission Reductions (VERs).

The objectives of this verification exercise are, by review of objective evidence, to establish that:

- The project activity has been implemented and operated as per the project description (PD) and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- Monitoring report and other supporting documents are complete;
- The data is recorded and stored as per the monitoring methodology and approved monitoring plan.
- To confirm that the monitoring system is implemented and fully functional to generate Voluntary Emission Reductions (VERs/VCUs) without any double counting, and
- To establish that the data reported are accurate, complete, consistent, transparent and free of material error or omission by checking the monitoring records and the emissions reduction calculation.

1.2 Scope and Criteria

The verification scope is defined as an independent and objective review of monitoring report, VCS project description (VCS PD), including the monitored data, and other relevant documents made available to verifier and information collected through performing interviews during Remote assessment(interviews) of the project activity.

The project is assessed against the requirements of VCS standard version 4.1 and related rules and guidance /5/. KBS has, based on the recommendations in the latest version of Verified Carbon standard, and employed a rule-based approach (as criteria) in the verification, focusing on the identification of significant reporting rules and the reliability of project monitoring.

The aspects to be covered under the purview of verification are:

- Ensure that the project activity has been implemented and operated as per the registered VCS PD and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place as per the documents provided by the client and during remote audit;
- Ensure that the monitoring report and other supporting documents provided are complete
- Ensure that the practiced monitoring system and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved CDM methodology /10/;
- Evaluate the data recorded and stored are as per the monitoring methodology.

1.3 Level of Assurance

☒ Reasonable level of assurance

The verification is based on the VCS PD, MR, proof of title, proof of right, additional documents related to baseline and monitoring methodology, the subsequent background investigation, monitoring plan, follow-up interviews and supporting documents made available to the verification team by project proponent. The information in these documents is reviewed against the requirements of VCS Standard Version 4.1. KBS has employed a risk-based approach in the verification, focusing on the identification of significant risks for project implementation and the generation of Emission Reductions.

The items covered in the verification are described below:

- Criteria of VCS Version 4 (VCS Program guide Version 4 & VCS Standard Version 4.1)
- Criteria of CDM approved methodology, ACM0002- Version 19.0 and AMS-ID – Version 18.0
- VCS Monitoring Report
- Monitoring Plan
- Background investigation and follow up interviews
- Stakeholder feedback
- Registered VCS-PD and Validation Report
- project's compliance with other relevant rules, including the project country (India) legislation and assurance to stakeholders of the quality

Furthermore, the verification team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data available on public domain. A desk review is carried out to assess the following:

- Compliance with relevant law and regulations

- Stakeholder comments (If any)
- Proof of title
- Single line diagram and site location map
- Technical specifications of solar panels, meters etc.
- Power Purchase Agreement
- Commissioning Certificate
- Remote auditing (05/07/2021) for verification
- Invoices
- Export/Import data records
- Calibration Certificates

The Verification team has checked all the above-mentioned details and confirms that all the information provided is accurate.

Through the remote interviews host country rule and regulations related to project activity, Project description, technological measures, Implementation, Operation, Management of project activity and Training of personnel, Baseline and Monitoring plan, Stakeholder consultation etc. has been checked and found appropriate.

KBS applies the risk-based approach aimed at focusing on high-risk issues to the verification results whilst not omitting any part of the mandatory processes. A few discrepancies were found during the verification and the findings were submitted to the project proponent, indicated under the titles corrective action requests (CARs) and clarification requests (CLs). CARs and CLs require the PP to take relevant actions.

Hence the above steps were followed for achieving the level of assurance in verification report. Based on the process and procedures conducted, KBS confirms that the information in the MR:

- is materially correct and is a fair representation of the actual project details, and
- is prepared in accordance with VCS requirements /4//5/ and the applied CDM methodology for information pertaining to GHG qualification, monitoring and reporting.

The verification work is carried out as per this requirement and the verification opinion is assured, provided the credibility of all above. Details are presented in the Verification statement in section 5 below.

1.4 Summary Description of the Project

The Bundled Solar Photovoltaic Project by ACME with a total capacity of 1207.5 MW is a grouped project activity located in India. ACME Cleantech Solutions Private Limited is a parent company of all project activity instances formed as different SPV (Special Purpose Vehicles) for solar projects and projects are developed by name of SPVs. The electricity generated is exported to the regional grid system which is under the purview of the Indian grid.

The project activity has been operational since commissioning (10-February-2017) and during the monitoring period i.e. from 01/02/2020 to 24/04/2021 (Inclusive of both days), it has generated 26,87,979.42 MWh net electricity, thereby resulting in emission reduction of 2,546,833 tCO₂e. The monitoring period subject to this monitoring report is inclusive of first and last day of period

During the remote audit inspection /11/, location (as mentioned in section 1.7 of MR) and all the technical aspects of the project activity (equipment, serial no., type, date of calibration etc.) mentioned in the PD /03/ have been verified. The same was also crosschecked during the desk review of supporting documents like technical specifications/6/, single line diagram/7/, PPA/8/ and commissioning certificates/9/.

Project entity information as verified is presented below:

Item	Data
Project Entities	ACME Cleantech Solutions Private Limited (Project Owner- Parent company)
	EKI Energy Services Limited (Project consultant)

2 VERIFICATION PROCESS

2.1 Method and Criteria

The verification process was carried out in line with the requirements of VCS standard Version 4.1 /4/. In addition, the verification team followed the guidelines of the CDM Validation and Verification Standard. Standard auditing techniques and KBS's CDM Procedures were also applied during the verification. A risk-based approach was followed to carry out verification and

access all the factors and concerns that relate to the issuance of emission reductions from a project activity.

They include:

- Identification of all the sources contributing to the project emissions and emission reductions.
- Authenticity of the provided data is checked.
- A risk-based analysis is carried out to ensure a clear and transparent assessment. The risks involved in this process are mainly with the informational flows and data recording.

KBS follows a risk-based verification approach, wherein a desk review of the project documentation is undertaken, which is followed by a remote discussion/video inspection by the members of verification team. The verification protocol is filled by the verification team that is based on standard auditing practices and VCS requirements. The verification protocol provides transparent means to record the observations by the verification team members and the non-conformities, if any. The verification protocol is an internal document, and available on request.

Duration of Verification:

Verification Contract	01/03/2021
Remote audit	05/07/2021 (Justification section 2.4 below)
Draft Verification Report	29/07/2021
Final Verification Report	30/07/2021

2.2 Document Review

A desk review is undertaken, involving but not limited to,

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;
- 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 list of documents reviewed is included in the section 'References'.

2.3 Interviews

Please refer section 2.4, where complete list of interviewed personnel and key points discussed is provided.

2.4 Site Inspections

As a result of the COVID-19 pandemic, taking into account the rules of relevant national and local authorities (local to the VVB offices as well as to locality of the site visits), World Health Organization (WHO) recommendations, policies of the VVB, email clarification for Verra guidance on site visits, notification of Covid-19 Travel Guidance for Projects <https://verra.org/covid-19-travel-guidance/> and other relevant travel restrictions and guidance (for example, a requirement to self-isolate upon return from specific countries), the VVB has skipped the on-site visit. Further Email from VERRA dated 24/03/2020 from “Andrew Beauchamp” has been referred as per which, “The VCS Program does not explicitly mandate site visits as part of the validation and verification process, only that VVBs must achieve a reasonable level of assurance on all validations and verifications (per Section 4.1.2 of the VCS Standard, v4.1). Therefore, where a VVB can achieve a reasonable level of assurance without conducting a site visit, or through a remote site visit, this is in conformance with the VCS rules, and no request for an exemption or pre-approval from VEERA is required. However, where a validation/verification has been conducted without a site visit, or through a remote site visit, please ensure that the applicable section of the validation/verification report includes a discussion of how a reasonable level of assurance was achieved without an in-person site visit”.

Hence, the VVB has used other standard auditing techniques for validation or verification as referred to in VCS Rules/requirements, VCS Validation and Verification Manual version 3.2.

Verification team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of verification. Along with desk review, audit team has conducted remote audit interview as follows:

- A complete desk review of the MR, as well as all applicable country legal requirement and supportive evidences have been checked by the verification team.
- Verification team has performed Microsoft Team Application interview with PP in order to check implementation, project boundary, current situation, monitoring and metering equipment, monitoring procedures, calibration etc.
- Cross-check evaluation, for information received from interviews, under the scope of all information and references provided in MR and supporting documents.
- A check of the monitoring equipment including performance and observations of monitoring practices against the requirements of the registered VCS PD and the selected methodology.

Details of interviewees, topics covered and additional information are presented below:

Dates:	05/07/2021 (Microsoft Team Application)	
Key points discussed:	Name of person, interviewed	Designation, Organization

Operational data, Calibration, Data collection, QA/QC procedures, Calculation of ERs, monitoring procedure.	Prakash Kumar Sahu	Manager, Climate Change Operations EKI Energy Services Limited
	Shital Patil	Consultant, Climate Change Operations EKI Energy Services Limited
	Dhriti Pandey	Assistant Manager, O&M Department, ACME
	GTA Khan	DGM, ACME Rewa Solar Energy Pvt Ltd, Bhadla
	Arup Manna	Dy. Manager, ACME Solar Power Technology
	PV Subbaraju	Plant head, ACME Solar Power Technology Private Limited, Bhongir
	Ravindra Reddy	Senior Engineer, ACME PV Powertech
	B Mangi Lal	Senior Engineer, ACME Vijayapura
	PANKAJ KUMAR YADAV	ASST. MANAGER, ACME REWA SOLAR ENERGY PVT LTD
	Devendra Kumar Tiwari	DGM, ACME Vijayapura

2.5 Resolution of Findings

KBS applies the risk-based approach aimed at focusing on high risk issues to the verification results whilst not omitting any part of the mandatory processes. A few discrepancies were found during the verification and the verification report was submitted to the project proponent, indicated under the titles corrective action requests (CARs) and clarification requests (CLs). CARs and CLs require the PP to take relevant actions. Criteria for judging items as CAR or CL are as follows:

Corrective action request (CAR):

- the project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions
- the Voluntary Carbon Standard's requirements have not been met, or
- there is a risk that emission reductions cannot be monitored or calculated.

Clarification request (CL):

- Information is insufficient or not sufficiently clear to determine whether the applicable VCS requirements have been met.

FAR (Forward Action Request):

FARs is to be raised to highlight issues related to project implementation that require review during the first verification of the project activity. FARs does not relate to VCS requirements for registration.

CARs and CLs are to be resolved or closed out if the PP modifies the project description, rectifies the MR or provides adequate additional explanations or evidence that satisfies the concerns. If this is not completed, the project activity cannot be recommended for issuance under VCS registry.

The monitoring report was revised addressing the CARs & CLs issued by KBS. After reviewing the revised and resubmitted MR/1.2/; resolving the CARs & CLs raised and outstanding concerns, KBS issues this final verification report and opinion.

03 CLs and 04 CARs were found during verification and closed satisfactorily. The list of CARs/CLs raised, and the response provided, the means of verification, reasons for their closure and references to correction in the MR are provided in appendix 2 of this report. The revised MR/1.2/ with changes incorporated as per the issues raised were rechecked with the documentary evidence and found to be inline.

2.5.1 Forward Action Requests

1 FAR has been raised during validation (refer to appendix 2 for further details).

2.6 Eligibility for Validation Activities

KBS conducted the verification activity; the validation was performed by the other VVB. KBS has a valid UNFCCC accreditation in the sectoral scope from UNFCCC.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project is not registered or seeking registration under any other GHG programs. The project has not participated under any other GHG programme.

3.2 Methodology Deviations

The verification team confirms that the registered PDD complies with the requirements in the applied monitoring methodology ACM0002 version 19.0 and AMS-ID version 18.0/10/. Therefore, no methodology deviations are applied during the monitoring period.

3.3 Project Description Deviations

The project activity is in compliance with the scenario described at the Project Design Document and validated by the validation report dated 09/02/2019/03/. However, there has been a change in the commissioning date of the ACME Bhiwadi Solar Power Pvt Ltd from 01/07/2018 to 05/07/2018. This has been made consistent with the commissioning certificate/09/ since it was incorrect in the validated PDD/03/. Also, there has been change in the geocoordinates of some of the sites for better identification over satellite. The verification team confirms that the above changes will have no impact on the start date or the crediting period of project activity along with its monitoring.

Also, in this monitoring period, a deviation has been applied for Andhra Pradesh state project having SPV name ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited. The export and import values are no longer provided and only net export values are being provided for the invoicing. The invoicing is done on the forecasted value. Therefore, instead of export and import values, the net values is directly obtained for the emission reduction calculation. Also, in ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd, the Deviation Settlement Mechanism (DSM) is also applicable to mentioned SPVs. Therefore, instead of export and import values, the net values are directly obtained (either by including deviation to the schedule values or directly considering the actual values from the SRPC report) for the emission reduction calculation. The nature of deviation is permanent. The verification team confirms that the approach does not alter the emission reduction and its calculations.

For Southern Region, the monthly net export for every month has been uploaded on the SRPC website, www.srpc.kar.nic.in.

Finding: CL 02 was raised and successfully closed. Refer to appendix 2 for further details

3.4 Grouped Project

The project is a grouped project. However, no new instances have been added during the current monitoring period as confirmed from the remote audit interviews.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

The project activity is in operation stage as evidenced by the remote inspection /11/ of the site. All the physical components and project boundary are in conformity with the description in registered VCS PD /03/. The capacity of project equipment's have been confirmed during the remote inspection, also through the technical specifications /06/ and found in-compliance with the registered VCS PD/03/. The project activity was commissioned on 10/02/2017 as per commissioning certificates/09/.

On the basis of the remote inspection and the reviewed project documentation like the technical specification, photographs of meters/6/, single line diagram/7/, power purchase agreement/8/, commissioning certificates/9/, calibration certificates of energy meters/13/, and invoices/14/ etc. the verification team confirms that the project was implemented and operated as described in the registered VCS PD/3/. Further, the verification team confirms that-

- There is no material discrepancy between project implementation and the project description in the registered VCS PD.
- The monitoring plan is completely implemented and is suitable with actual monitoring system (i.e., process and schedule for obtaining, recording, compiling and analysing the monitored data and parameters)
- The project has not participated or been rejected under any other GHG programs and further has not received or sought any other form of environmental credit since validation or previous verification.
- There is no methodology deviation applied to this project.

Further it was noticed that during the monitoring period the project activity operated under normal conditions and no significant event that may have impact on monitoring of GHG emission reductions was observed. Same has been checked from the operational data during remote auditing.

Ownership and other programs:

PP has declared that the project is not registered in other GHG programs; PP confirmed that the project will only be going forward with VCS registry, as declared in VCS-PD /03/. Thus, emission reductions generated by project will be solely claimed by PP and PP has the right of use, which is acceptable. Net GHG emission reductions or removals generated by this project will not be used for compliance with an emissions trading program or to meet binding limits on GHG emissions as the host country i.e. India is not a participant in any emission trading programs or nor does it have any binding limits.

PP will not claim any other the environmental/carbon credits under any other GHG emission reduction scheme for the crediting period under VCS and PP has provided declaration /16/ on the same during the validation. Hence, there is no possibility of double counting.

Sustainable Development Contributions:

As confirmed during the remote audit, the project displaces electricity produced in fossil fuel-based power plants, by using clean renewable source to generate electricity and thereby contributes to sustainable development through reduction in greenhouse gas (GHG) emissions. It has also been confirmed that the project implementation has led in significant environmental and socio-economic benefits (as stated in section 1.11 of the submitted MR) and contributes to the social, economic, technological and environmental well-being. The project supplies clean, affordable and renewable energy (26,87,979.42 MWh net electricity under the monitoring period) without reliance on fossil fuels for generation of electricity to meet the growing demands

in the region. Also, the implementation of project is providing employment to locals with a decent and secure work environment by reducing emissions otherwise generated by the operation of fossil fuel-based power plants and would lead to promotion of solar based power generation and to encourage other entrepreneurs to participate in similar projects as well.

Management and operational system:

Verification team was able to verify that authorities and responsibilities /15/ for monitoring and reporting of all data related to the emission reductions were clearly defined for the monitoring period from 01/02/2020 to 24/04/2021 (Inclusive of both days).

The allocation of the responsibilities is documented in a written form and is followed as described in the registered VCS PD/03/. Routines for the archiving of data are defined and documented.

The monitoring plan described in section 4.3 of the MR/1.2/ is confirmed to be correct. All the parameters of the monitoring plan are monitored using appropriate metering system.

The verification team has interviewed the plant personnel /11/ who is involved in the monitoring of the parameters that are used to determine the emission reductions of the VER project. It is confirmed based on the interviews /11/ that the plant's team is competent enough to monitor the parameters as described in the monitoring plan.

As discussed above, the verification team concludes that management and operational system of the project is implemented and operated well. Thus, it ensures the quality of data which is required in calculating the emission reductions.

Implementation status of the monitoring plan:

Verification team confirms through remote inspection /11/ and from the document review like PPA/08/, Commissioning certificates/09/, Calibration certificates/13/ and Invoices/14/ the actual monitoring system complies with the monitoring plan mentioned in the registered VCS PD /3/ and there is no deviation in monitoring plan and procedures, equipments.

During the verification, all relevant monitoring parameters of the registered monitoring plan have been verified with regard to the appropriateness of the verification method; the correctness of the values applied for ER calculation, the accuracy and applied QA/QC measures. All monitoring parameters have been measured / determined without material misstatements and are in line with all applicable standards and relevant requirements. It is confirmed that the monitoring mechanism is effective and reliable.

Therefore, from the document review and remote inspection, it is confirmed that all the parameters were monitored in accordance with the registered monitoring plan during the monitoring period. Following are the details of monitoring in accordance with the monitoring plan of the registered VCS PD/03/:

Data - Parameter	EG _{PJ,y}
Data unit	MWh/y
Description	Quantity of net electricity generation supplied by the project (Solar) plant/unit to the grid in year y

Source of data	Verification team confirms that the data has been measured directly from meters and recorded on Joint meter readings by SEB officials/12/.
Description of measurement methods and procedures to be applied	During the remote inspection and through document review, it has been confirmed that the value of net electricity generation supplied to the grid as per Joint Meter Reading Report forms the basis for calculation of the emission reductions; which has been cross checked from the invoice raised to DISCOM. Net electricity supplied to grid was calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated SEB energy meter installed at the delivery point (i.e. the connected substation). Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent.
Frequency of monitoring-recording	Continuous monitoring, hourly measurement and at least monthly recording, as verified by the verification team through remote assessment.
Value monitored	26,87,979.42 MWh
Monitoring equipment	During the remote inspection and through document review, it has been confirmed that the data has been monitored continuously by tri vector meters of accuracy class 0.2s. Monthly joint meter readings of the main meters is taken by the designated officials of the SEB as confirmed from the remote inspection. The summation of all meter’s reading is used for billing and emission reduction calculation purpose. Refer to appendix 4 for Calibration dates of the meters and their validity. The meters are calibrated once in five years by the MSEDCL. It is found to be in line with the registered VCS PD/03/. Both the meters are in compliance with the host country calibration regulations and had valid calibrations during the entire monitoring period.
QA-QC procedures to be applied	There are 16 instances each having one main meter and check meter as confirmed during remote inspection and through photographs provided by PP/06/. The generation values has been also cross-checked with the invoices/14/ and was found to be consistent.
Purpose of the data	Calculation of Baseline emissions

Calculation method	-
Comments	As confirmed during the remote inspection /11/, the collected data will be kept by Project party during the crediting period. The data would be archived electronically and maintained for the entire crediting period plus two years.

Remaining Issues from Validation or Previous Verification:

This verification of the registered project activity and from the review of validation report and the previous verification reports, verification team confirms that 1 FAR was to be addressed during this verification.

Finding: FAR 01, CL 01, CL 03, CAR 01, CAR 02 and CAR 03, CAR 04 were raised and successfully closed. Refer to appendix 2 for further details.

Opinion:

The verification team confirms that

- The project activity has been implemented and operated as per the registered VCS PD /3/ and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place, as per the documents provided by the PP and remote audit /11/;
- The monitoring complies with the requirement of the applied methodology /10/;
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the PD /3/;
- The values included in the monitoring report /1.2/ and corresponding emission reduction sheets /2.2/ are verified and included under each monitoring parameter.

4.2 Safeguards

4.2.1 No Net Harm

The project activity is grid connected wind power plant and does not involve any negative impact. Assessment team confirms it based on its local and sectoral expertise.

4.2.2 Local Stakeholder Consultation

The local stakeholder consultation meeting for the project activity was conducted on project site and the process was validated during the registration of project activity in VCS. VCS validation report /3/ was verified to confirm the same. The PP had invited identified stakeholders well in advance in by invitation letters and newspaper advertisements to local villagers, panchayat members and representatives of ACME with details of venue and time of meeting. Also, PP has grievance register maintained at site for complaints (if any).

During the monitoring period there were no complaints about the project as confirmed from the grievance registers/17/. The same was confirmed through the remote audit conducted during the monitoring period.

4.3 AFOLU-Specific Safeguards

This is not an AFOLU project.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The verification team has reviewed the emission reduction (ER) spread sheet /2.2/ and checked all the formulae and verified them to be correct and in line with the monitoring plan of the registered VCS PD and the applied monitoring methodology /10/.

All the monitored parameters are described above in section 4.1. All the ex-ante parameters which are used in the calculation of emission reduction are presented in section 4.1 of the MR /1.2/ transparently. It is confirmed that all the ex-ante parameters have been correctly used in the emission reduction calculation.

Baseline emissions:

The baseline emissions (BE_y) are calculated based on the following formula:

$$BE_y = EG_{PJ, y} * EF_{grid, CM, y}$$

Where:

BE_y: Baseline emissions in year y (tCO₂e/yr)

EGPJ, y: Quantity of Net electricity generation that is produced and fed into the grid as a result of the implementation of the VCS project activity in year y (MWh/yr)

EF_{grid, CM, y}: Combined Margin CO₂ emission factor (tCO₂e/MWh) for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO₂e/MWh)

It is fixed ex-ante for the duration of the crediting period and is 0.9475 tCO₂e -MWh.

Therefore,

$$BE_y = EGPJ_{y,y} \times EF_{grid,CM,y}$$

$$BE_y = (26,87,979.42) \times 0.9475$$

$$BE_y = 2,546,833 \text{ tCO}_2\text{e (rounded down)}$$

It is noted that the formula and calculation used for baseline emission calculation in the monitoring report and ER sheet /2.2/ is in compliance with the registered VCS PD/3/. The default values and data used in the monitoring report /1.2/ is in-line with the registered PD/3/. Hence, acceptable to the verification team.

Project Emissions:

As per the methodology /10/ the PE_y in case of a wind power project is considered zero.

Hence, PE_y = 0 is acceptable to the verification team.

Leakage:

As per the methodology /10/ and as defined in the registered VCS PD/3/ no leakage is considered in the project activity and the same is followed in this monitoring period also. Thus, it is in compliance with the registered VCS PD/3/.

The following are the ex-ante parameters used in the ER calculation which are in compliance with registered VCS PD/3/:

Parameter	Description	Source/Justification
EF _{grid, OM, y} tCO ₂ /MWh	Operating Margin CO ₂ emission factor in year y	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07.0.0” as 3-year generation weighted average using data for the years 2014-2015, 2015-2016 & 2016-2017. The data are obtained from “CO ₂ Baseline Database for Indian Power Sector” version 13.0, published by the Central Electricity Authority, Ministry of Power, Government of India.

		The value 0.9726 (Indian Grid) is used for calculation of baseline Emission and is found to be consistent with the registered VCS-PD/03/.
EF _{grid,BM,y} tCO ₂ /MWh	Build Margin CO ₂ emission factor in year y	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07.0.0” for the year 2016-17. The data is obtained from “CO₂ Baseline Database for Indian Power Sector” version 13.0, published by the Central Electricity Authority, Ministry of Power, Government of India The value 0.8723 (Indian Grid) is used for calculation of baseline Emission and is found to be consistent with the registered VCS PD/03/.
EF _{grid,CM,y} tCO ₂ /MWh	Combines Margin CO ₂ emission factor in year y	The combined margin emissions factor is calculated as follows: $EF_{grid,CM,y} = EF_{grid,OM,y} * W_{OM} + EF_{grid,BM,y} * W_{BM}$ Where: EF_{grid,BM,y}= Build margin CO₂ emission factor in year y (tCO₂/MWh) EF_{grid,OM,y}= Operating margin CO₂ emission factor in year y (tCO₂/MWh) W_{OM} = Weighting of operating margin emissions factor (%) = 75% W_{BM} = Weighting of build margin emissions factor (%) = 25% The value 0.9475 (Indian Grid) is used for calculation of baseline Emission and is found to be consistent with the registered VCS PD/03/.

According to the applied methodology /10/, the conservativeness of the achieved emission reduction was checked and the detailed emission reduction calculation has been transparently provided in the ER sheet /2.2/. All the formulae and the calculation procedure were checked by the verification team. In the opinion of verification team, the assumptions, emission factors and default values that were applied in the calculations have been justified. Also, the verification team confirms that there were no manual transposition errors between the data sets in the ER Sheet/2.2/ during the current monitoring period. It is confirmed that the data has been measured directly from meters and it was cross checked from the JMR and the invoices raised to DISCOM and was able to verify the same.

Finding: No findings raised.

Opinion: The verification team confirms;

- The monitoring plan has been implemented as per the registered PD /3/;
- The monitoring complies with the requirement of the applied methodology/10/;
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the PD /3/;
- The values included in the monitoring report /1.2/ and corresponding emission reduction sheet /2.2/ are verified and included under each monitoring parameter, wherever appropriate.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

All relevant documents were checked to assess the correctness and quality of data submitted by the project participants, which are used to determine emission reductions.

All records needed for monitoring are archived in line with the requirements of the registered monitoring plan /3/. No significant lack of evidence and missing data were detected during remote audit discussion and video inspection /11/. Hence, the verification team confirms that the monitoring system ensures required quality of the monitoring system to ensure the quality of the monitored data. All internal data are subjected to QA/QC measures. The monitoring parameters have been measured / determined without material misstatements and is in line with all applicable standards and relevant requirements. The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included in section 4.1 under each parameter and confirms to the requirement of the PD /3/. The export and import data is measured by the electricity meters, recorded continuously on the registered VCS PD and the invoices are generated monthly/14/. The data is then reported annually on the VCS Monitoring Report as verified by the verification team through remote assessment.

It was also verified through remote audit inspection/11/ that the plant's team involved in the monitoring of project activity is well experienced. Hence, the verification team concludes that competent staff is employed by the project proponent to carry out the relevant tasks with sufficient accuracy. Furthermore, it was confirmed during remote audit discussion that internal training program for the monitoring staff is conducted on regular basis.

4.6 Non-Permanence Risk Analysis

Not applicable to the project activity.

5 VERIFICATION CONCLUSION

KBS Certification Services Pvt. Ltd. has been commissioned by 'EKI ENERGY SERVICES LIMITED.' to perform verification of its registered VCS project 'Bundled Solar Photovoltaic Project by ACME' for the monitoring period 01/02/2020 to 24/04/2021 (Inclusive of both days), under the

crediting period 10/02/2017 to 09/02/2027, with regard to the relevant requirements of VCS Standard Version 4.1.

The management of the 'EKI ENERGY SERVICES LIMITED.' is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project final Monitoring Report Version 2 dated 26/07/2021. The calculation and determination of GHG emission reductions from the project is the responsibility of the management of the 'EKI ENERGY SERVICES LIMITED'. The development and maintenance of records and reporting procedures are in accordance with the Monitoring Report Version 2 dated 26/07/2021.

It is our responsibility to express an independent GHG verification opinion on the GHG emissions and on the calculation of GHG emission reductions from the project for the period 01/02/2020 to 24/04/2021 (Inclusive of both days) based on the reported emission reductions in the final Monitoring Report Version 2 dated 26/07/2021 for the same period.

As a result of the verification, the verification team confirms that:

- All operations of the project are implemented and installed as planned and described in the project description.
 - The monitoring system is in place and functional.
 - The installed equipment essential for generating emission reductions runs reliably.
 - The GHG emission reductions are calculated without material misstatements in a conservative and appropriate manner.
- Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, KBS planned and performed our work to obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

Verification period: From 01/02/2020 to 24/04/2021 (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)
01-February-2020 to 31-December-2020	1,927,444	0	0	1,927,444
01-January-2021 to 24-April-2021	619,389	0	0	619,389

Total	2,546,833	0	0	2,546,833
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Location: Faridabad

Date: 30/07/2021



Authorized Signatory: Kaushal Goyal

Designation: Managing Director

KBS Certification Services Pvt. Ltd.

APPENDIX 1: REFERENCES

/1/	/1.1/ Monitoring Report, Version 01, dated 21/03/2021 (Initial Version) /1.2/ Monitoring Report, Version 02 dated 26/07/2021 (Final Version)
/2/	/2.1/ Emission Reduction calculation sheet, Version 01 dated 08/07/2021 (corresponding to initial Version of VCS MR) /2.2/ Emissions Reduction calculation Sheet, Version 2 dated 26/07/2021 (corresponding to final Version of VCS MR)
/3/	- Registered VCS-PD version 2 dated 29/01/2019 - VCS Validation report version 01 dated 09/02/2019
/4/	VCS Standard Version 4.1
/5/	VCS Programme guide Version 4
/6/	Technical specifications/photographs of solar panels, electricity meters etc.
/7/	Single line diagram and meter location / Layout
/8/	Power purchase agreement for the 16 project instances Operation and maintenance contract and purchase orders for the 16 instances
/9/	Commissioning Certificates for the for the 16 instances
/10/	ACM0002 -- Version 19.0 AMS I- D - Version 18.0
/11/	Remote auditing (05/07/2021) for verification of measuring and monitoring procedure, - Video recordings & snapshots of the project site/equipment's - Interviews and data/log review
/12/	JMR for the entire monitoring period 01/02/2020 to 31/01/2021
/13/	Calibration Certificates for main meters and check meters
/14/	Invoices raised during the monitoring period 01/02/2020 to 31/01/2021
/15/	Organization structure/chart
/16/	VCS declaration for avoidance for double counting dated 24/07/2021
/17/	Scanned copy of the grievance registers

APPENDIX 2: FINDINGS

Summary of findings	CL	CAR	FAR
	03	04	01

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

FAR ID	01	Section no.	4.1	Date: 12/07/2021
Description of FAR				
<i>FAR raised during Validation and 1st verification:</i> “During onsite visit and document review it was noted that the SPV; ACME Chittorgarh Solar Energy Pvt. Ltd is yet to be commissioned. During subsequent verification, details of the project implementation shall be verified.”				
Project participant response				Date: 26/07/2021
ACME Chittorgarh Solar Energy Pvt. Ltd has been commissioned on 26-October-2019 and the commissioning certificate and photographs are being provided.				
Documentation provided by project participant				
<i>Commissioning certificates and site photographs.</i>				
VVB assessment				Date: 28/07/2021
The verification team confirms that the site ACME Chittorgarh Solar Energy Pvt. Ltd has been commissioned by reviewing the commissioning certificates, PPA and site photographs. Hence, the finding is closed.				

Table 2. CL from this verification

CL ID	01	Section no.	4.1	Date: 12/07/2021
Description of CL				
The following documents are required as part of VCS verification process: 1. Supportive regarding avoidance of double counting. 2. Scanned copy of the grievance registers 3. PPA, Calibration certificate and commissioning certificate of ACME Chittorgarh Solar Energy Pvt. Ltd 4. Calibration certificates of the dates mentioned in the MR (Appendix 1) 5. Photographs of billing meters showing the serial numbers.				

Project participant response	Date: 26/07/2021
1. No Double counting declaration is being provided. 2. Grievance registers are being provided. 3. PPA, Calibration certificate and commissioning certificates are being provided. 4. Calibration certificates are being provided. 5. Photographs illustrating meters serial numbers are provided.	
Documentation provided by project participant	
<i>No double counting declaration, Grievance register, ACME Chittorgarh PPA calibration and commissioning certificates are being provided. Calibration certificates, photographs are being shared.</i>	
VWB assessment	Date: 28/07/2021
1. The supportive regarding avoidance of double counting dated 24/07/2021 has been provided and was found to be acceptable. Hence, the finding is closed. 2. Scanned copy of grievance registers of few sites have been provided and was found to be acceptable. Hence, the finding is closed. 3. PPA, calibration certificate and commissioning certificate of ACME Chittorgarh Solar Energy Pvt. Ltd has been provided and was found to be acceptable. Hence, the finding is closed. 4. The calibration certificates have been provided. Hence, the finding is closed. 5. The photographs have been provided. Hence, the finding is closed.	

CL ID	02	Section no.	3.3	Date: 12/07/2021
Description of CL				
Under section 2.3.2 of the VCS MR, PP has stated that “Currently in this monitoring period, the deviation is for Andhra Pradesh state project having SPV name ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited but not limited to further upgradation at another states of India”. However, PP has not mentioned the export and import values for the following SPVs as well in the ER sheet: 1. CME Rewari Solar Power Pvt Ltd 2. ACME Kurukshetra Solar Energy Pvt Ltd 3. ACME Chittorgarh Solar Energy Pvt. Ltd				
Project participant response				Date: 26/07/2021
The JMRs format keep on updating from the regulatory end, export and imports values are not being mentioned not directly net values are mentioned, therefore export and import values are not mentioned. PP don't have control on the JMR preparation and net value is the parameter monitored.				
Documentation provided by project participant				

MR V2	
VVB assessment	Date: 28/07/2021
The verification team confirms that the deviation for the mentioned sites have been now incorporated in the revised MR. Hence, the finding is closed.	

CL ID	03	Section no.	4.4	Date: 12/07/2021
Description of CL				
1. In the ER sheet, 'VER Sheet_1.1-1.17' tab, the value of net electricity exported to the grid from (25/02/2020 to 24/03/2020) as per the invoice is 4935.60 MWh. Further, the net electricity exported) as per the invoice (from 24/03/2020 to 24/04/2020) is 5571.80 MWh. PP shall clarify the billing cycle, also how has it been insured that there is no double counting, as the date (24/03/2020) is overlapping in both the invoices. The similar clarification to be provided for all the other sites of the project activity. 2. In the ER sheet, 'VER Sheet_1.1-1.17 and VER Sheet_2-16' tab, the apportioning of export data has been done for Feb 2020 and April 2021. However, PP shall clarify how apportioning of data has been done and how it is conservative than other approaches. 3. In the ER sheet, 'VER Sheet_1.1-1.17' tab, the value of electricity export and import from Aug 2020/July 2020 till April 2021 has been mentioned as zero for the sites "ACME Rewari Solar Power Pvt Ltd", "ACME Kurukshetra Solar Energy Pvt Ltd", "ACME Bhiwadi Solar Power Pvt Ltd", "ACME Hisar Solar Power Private Limited" and "ACME Karnal Solar Power Private Limited". PP shall clarify.				
Project participant response				Date: 26/07/2021
1. There will be no double accounting of emission reduction despite dates of the months being mentioned as for example 25/02/2020 to 23/03/2020 & 23/03/2020 to 24/04/2020. The reason for the same is that meter reading is taken at a particular time of the day (e.g. 11:30 AM). Hence, the period 25/02/2020 to 23/03/2020 would denote reading till that time of 23/03/2020. The period 23/03/2020 to 24/04/2020 denotes reading after that particular time of 23/03/2020. These dates are also reflected in the generation statement prepared by State Utility based on which ER calculation is done. Hence, it is clear that there would not be any double accounting of emission reduction. 2. Apportioning done using the unitary method and the full month import values are considered, no any apportioning method mentioned in the registered PD. Therefore, unitary method for the apportioning export values and full month import values are used justifying the conservativeness. 3. The SPVs are no longer with ACME group after June 2016, therefore the values have been considered zero.				
Documentation provided by project participant				
ER V2 and MR V2				

VVB assessment	Date: 28/07/2021
1. The justification provided by PP was found to be acceptable. Hence, the finding is closed. 2. The verification team found the approach for the apportioning of the data to be reasonable. Hence, the finding is closed. 3. The verification team confirms that the conservative approach has been taken into account. Hence, the finding is closed.	

Table 3.CAR from this verification

CAR ID	01	Section no.	4.1	Date: 12/07/2021
Description of CAR				
1. Under section 1.1 and 1.2 of the VCS MR, PP has used futuristic language which is not the correct representation for the monitoring period. 2. Under section 1.7 of the VCS MR, the coordinates of the sites are not consistent with the registered VCS PD. 3. Under section 1.10 of the VCS MR, the reference link for REC generators is not functional.				
Project participant response				Date:26/07/2021
1. MR language has been revised throughout the MR. 2. Coordinates are revised. There were slight aberration only. 3. REC links are revised.				
Documentation provided by project participant				
MR V2				
VVB assessment				Date: 28/07/2021
1. The correction has been done in the revised MR. Hence, the finding is closed. 2. The deviation regarding change in coordinates have been now mentioned in the revised MR. Hence, the finding is closed. 3. The reference link for REC generators is now functional. Hence, the finding is closed.				

CAR ID	02	Section no.	4.1	Date: 12/07/2021
Description of CAR				

1. Under section 3.1 of the VCS MR, the commissioning date of the “ACME Bhiwadi Solar Power Pvt Ltd” i.e. 01/07/2018 is inconsistent with the commissioning certificate i.e. 05/07/2018. Also, it shall be mentioned under the project deviation since it is incorrectly mentioned in the VCS PD as well. 2. Under section 3.3 of the VCS MR, PP has stated that “Therefore demonstration of new activity eligibility criteria is required” which is not clear since no new instances have been added as mentioned by PP.	
Project participant response	Date: 26/07/2021
1. In section 3.1 of the VCS MR, the commissioning date of the “ACME Bhiwadi Solar Power Pvt Ltd” is changed as per commissioning certificate. 2. Sentence revised.	
Documentation provided by project participant	
MR V2	
VVB assessment	Date: 28/07/2021
1. The corrected commissioning date has been now mentioned in section 3.1 and in the deviation section of the MR. Hence, the finding is closed. 2. The correction has been in the revised MR. Hence, the finding is closed.	

CAR ID	03	Section no.	4.1	Date: 12/07/2021
Description of CAR				
Under section 4.2 of the VCS MR, PP has used futuristic language throughout which is not the correct representation for the monitoring period. Also, mention unit of the value monitored. Under QA/QC procedures, PP shall mention the current scenario for monitoring through meters.				
Project participant response				Date: 26/07/2021
1. Language changed and actual practise is being revised in the MR.				
Documentation provided by project participant				
MR V2				
VVB assessment				Date: 28/07/2021
The language has been revised in the submitted MR and the unit has been mentioned. The current scenario of monitoring has been now mentioned in the revised MR and was found to be acceptable. Hence, the finding is closed.				

CAR ID	04	Section no.	4.1	Date: 12/07/2021
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Description of CAR	
1. In ER sheet (tab: VER Sheet 1.1_1.17), the value of export for 24/12/2020-24/01/2021 for the site "ACME PV Powertech Pvt. Ltd." was found to be inconsistent with the JMR and invoice. 2. In ER sheet (tab: VER Sheet 2_16), the value of export and import for 24/11/2020-24/12/2020 and 24/12/2020- 24/01/2021 for the site "ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)" was found to be inconsistent with the JMR and invoice. 3. In ER sheet (tab: VER Sheet 2_16), no generation data has been added for the period 23/04/2021- 24/04/2021 for the site "ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR)". 4. In ER sheet (tab: VER Sheet 2_16), for the site ACME Fazilka Power Pvt Ltd, the JMR and invoice for 23/04/2021 -24/04/2021 is missing. 5. In ER sheet (tab: VER Sheet 2_16), for the site ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR), for the period 23/07/2020-24/08/2020, stand by meter readings have been used for billing instead of main meter readings. PP shall clarify.	
Project participant response	Date: 26/07/2021
1. In ER sheet (tab: VER Sheet 1.1_1.17), the value of export for 24/12/2020-24/01/2021 for the site "ACME PV Powertech Pvt. Ltd is being changed according to JMR and Invoice. 2. Values have been revised with the JMRs. 3. One day data has been omitted as a conservative approach. 4. In ER sheet (tab: VER Sheet 2_16), for the site ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR), for the period 23/07/2020-24/08/2020, stand by meter used because the main meter and check meter installed at the delivery point were damaged due to unknown reason during this period. 5. Main meter was under calibration process during the period, therefore the standby meter were used for the billing.	
Documentation provided by project participant	
ERV2	
VVB assessment	Date: 28/07/2021
1. The value has been revised and was found to be consistent with the JMR and invoice =. Hence, the finding is closed. 2. The value has been revised and was found to be consistent with the JMR and invoice =. Hence, the finding is closed. 3. The generation data has been taken zero as a conservative approach for 23/04/2021-24/04/2021 which was found to be acceptable by the verification team. Hence, the finding is closed. 4. The approach used by PP was found to be acceptable due to valid reasons. Hence, the finding is closed. 5. The approach used by PP was found to be acceptable due to valid reasons. Hence, the finding is closed.	

Table 4.FAR from this verification

No FAR raised during current verification.

FAR ID		Section No.		Date:	
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

Personnel Name:		Ms. Deboshmita Dey	
Qualified to work as:			
Team Leader	☒	Technical Expert	☒
Validator/Verifier	☒	Financial Expert	☐
Technical Reviewer	☐	Local Expert (India)	☒
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources		
Waste Handling and Disposal	TA 13.1 Waste Handling and Disposal		
	TA 13.2: Manure		
Approved by (Manager C & T)	Sanjay Kandari		
Approval date:	14/01/2021		

Personnel Name:		Tushar Chaudhari	
Qualified to work as:			
Team Leader	☒	Technical Expert	☒
Validator/Verifier	☒	Financial Expert	☒
Technical Reviewer	☒	Local Expert (India)	☒
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
Energy Industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources		
Energy demand	TA 3.1. Energy Demand		
Waste Handling and Disposal	TA 13.1 Waste Handling and Disposal		
Approved by	Manager Competency & Training		
Approval date:	02/09/2020		

APPENDIX 4: CALIBRATION DETAILS OF METERS

Project Instance Number	Name of the SPVs	Calibration frequency	Main Meter Details	Check Meter Details	Latest Calibration Date	Validity
1	Sunworld Solar Power Pvt Ltd (30 MW)	5 years	SL. No. APZ00191 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00192 Make: Secure Accuracy class: 0.2 s	17-December-2019	16-December-2024
	ACME Ranga Reddy Solar Power Pvt Ltd (30 MW)	5 years	SL. No. APZ00197 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00198 Make: Secure Accuracy class: 0.2 s	29-November-2019	28-November-2024
	ACME Medak Solar Energy Pvt Ltd (45 MW)	5 years	SL. No. APZ00188 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00189 Make: Secure Accuracy class: 0.2 s	14-July-2017 29-October-2020	28-October-2025
	ACME Nizamabad Solar Energy Pvt Ltd (50 MW)	5 years	SL. No. APZ00194 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00195 Make: Secure Accuracy class: 0.2 s	11-September-2017 21-March-2020	20-March-2025
	ACME PV Powertech Private Limited (Sadashivpet) (50 MW)	5 years	SL. No. APZ00200 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00201 Make: Secure Accuracy class: 0.2 s	07-July-2017 19-September-2020	18-September-2025
	ACME Solar Power Technology Private Limited (50 MW)	5 years	SL. No. APZ00185 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00186 Make: Secure Accuracy class: 0.2 s	05-February-2018 09-November-2020	08-November-2025

	ACME Rewari Solar Power Pvt Ltd (50 MW)	5 years	Line 1 (25 MW) SL. No. 17151088 Make: L&T Class: 0.2s Line 2 (25 MW) SL. No. 17151076 Make: L&T Class: 0.2s	Line 1 (25 MW) SL. No. 17151035 Make: L&T Class: 0.2s Line 2 (25 MW) SL. No. 17151090 Make: L&T Class: 0.2s	31-January- 2018	30-January- 2023
	ACME Kurukshetra Solar Energy Pvt Ltd (50 MW)	5 years	For RR No. KSPDCL-R2- A21 Main Meter- 17125700 Accuracy Class-0.2s For RR No. KSPDCL-R2- A22 Main Meter- 17151006 Accuracy Class- 0.2s	For RR No. KSPDCL-R2- A21 Check Meter- 17125702 Accuracy Class-0.2s For RR No. KSPDCL-R2- A21 Check Meter- 17151039 Accuracy Class-0.2s	31-January- 2018	30-January- 2023
	ACME Bhiwadi Solar Power Pvt Ltd (50 MW)	5 years	SL. No. APZ00264 Make: Secure Accuracy Class: 0.2s	SL. No. APZ00265 Make: Secure Accuracy Class: 0.2s	01-July-2018	30-June-2023
	ACME Hisar Solar Power Private Limited (50 MW)	5 years	SL. No. APZ00226 Make: Secure Accuracy Class: 0.2s	SL. No. APZ00227 Make: Secure Accuracy Class: 0.2s	21-June-2018	20-June-2023

	ACME Karnal Solar Power Private Limited (50 MW)	5 years	SL. No. APZ00260 Make: Secure Accuracy Class: 0.2s	SL. No. APZ00261 Make: Secure Accuracy Class: 0.2s	15-June-2018	14-June-2023
	ACME Kaithal Solar Power Private Limited (40 MW)	5 years	SL. No. 17054932 Accuracy class: 0.2 s	SL. No. 17054938 Accuracy class: 0.2 s	03-March- 2018	02-March- 2023
	ACME Babadham Solar Power Private Limited (40 MW)	5 years	SL. No. 16113468 Accuracy class: 0.2 s	SL. No. 17069195 Accuracy class: 0.2 s	22-January- 2018 18-August- 2020	17-August- 2025
	ACME Koppal Solar Energy Private Limited (40 MW)	5 years	SL. No. 17115504 Accuracy class: 0.2 s	SL. No. 17069212 Accuracy class: 0.2 s	15-April-2018	14-April-2023
	ACME Vijayapura Solar Energy Pvt Ltd (40 MW)	5 years	SL. No. 17054962 Accuracy class: 0.2 s	SL. No. 17054957 Accuracy class: 0.2 s	23-January- 2018 09-June-2020	08-June-2025
	ACME Rewa Solar Energy Pvt Ltd (100 MW)	5 years	SL. No. 18053541 Make: L&T Accuracy Class: 0.2s	SL. No. 18053542 Make: L&T Accuracy Class: 0.2s	24-September- 2018	23- September- 2023
	ACME Chittorgarh Solar Energy Pvt. Ltd (250 MW)	5 years	SL. No. 18053539 Make: L&T Accuracy Class: 0.2s	SL. No. 18053540 Make: L&T Accuracy Class: 0.2s	26-October- 2019	25-October- 2024
2	ACME Karimnagar	5 years	SL. No. APZ00131 Make: Secure	SL. No. APZ00132 Make: Secure	02-March- 2017	08-January- 2026

	Solar Power Pvt Ltd (15 MW)		Apex 150 Accuracy class: 0.2 s	Apex 150 Accuracy class: 0.2 s	09-January-2021	
3	Purvanchal Solar Power Pvt Ltd (15 MW)	5 years	SL. No. APZ00101 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00102 Make: Secure Accuracy class: 0.2 s	16-November-2019	15-November-2024
4	Rewanchal Solar Power Pvt Ltd (15 MW)	5 years	SL. No. APZ00106 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00107 Make: Secure Accuracy class: 0.2 s	24-March-2017 05-January-2021	04-January-2026
5	Neemuch Solar Power Pvt Ltd (15 MW)	5 years	SL. No. APZ00111 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00112 Make: Secure Accuracy class: 0.2 s	18-July-2019	17-July-2024
6	ACME Fazilka Power Pvt Ltd (Nandipet) (15 MW)	5 years	SL. No. APZ001116 Make: Secure Accuracy class: 0.2 s	SL. No. APZ001115 Make: Secure Accuracy class: 0.2 s	21-June-2019	22-June-2024
7	ACME Narwana Solar Power Pvt Ltd (Lingampet) (15 MW)	5 years	SL. No. APZ00126 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00127 Make: Secure Accuracy class: 0.2 s	24-February-2017 23-July-2020	22-July-2025
8	ACME Warangal Solar Power Pvt Ltd (15 MW)	5 years	SL. No. APZ00121 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00122 Make: Secure Accuracy class: 0.2 s	13-December-2019	12-December-2024
9	Devishi Renewable Energy Pvt Ltd (13 MW)	5 years	SL. No. UKD02401 Make: Secure	SL. No. UKD02402 Make: Secure	01-November-2019	31-October-2024

			Accuracy class: 0.2 s	Accuracy class: 0.2 s		
10	Devishi Solar Power Pvt Ltd (13 MW)	5 years	SL. No. UKD02400 Make: Secure Accuracy class: 0.2 s	SL. No. UKD02399 Make: Secure Accuracy class: 0.2 s	01-November- 2019	31-October- 2024
11	Sunworld Energy Pvt Ltd (13 MW)	5 years	SL. No. UKD02407 Make: Secure Accuracy class: 0.2 s	SL. No. UKD02412 Make: Secure Accuracy class: 0.2 s	10-February- 2017	09-February- 2022
12	ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI) (10 MW)	5 years	SL. No. APZ00321 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00322 Make: Secure Accuracy class: 0.2 s	29-May-2019	28-May-2024
13	ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR) (10 MW)	5 years	SL. No. APZ00316 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00317 Make: Secure Accuracy class: 0.2 s	17-September- 2017 24-August- 2020	25-August- 2025
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR) (10 MW)	5 years	SL. No. APZ00301 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00302 Make: Secure Accuracy class: 0.2 s	11-September- 2017 16-March- 2020	15-March- 2025
15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI) (10 MW)	5 years	SL. No. APZ00312 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00313 Make: Secure Accuracy class: 0.2 s	09-September- 2017 27-July-2020	26-July-2025
16	ACME Mahbubnagar	5 years	SL. No. APZ00306	SL. No. APZ00307	16-November- 2019	15-November- 2024

	Solar Energy Pvt Ltd-1 (MANTHANI) (10 MW)		Make: Secure Accuracy class: 0.2 s	Make: Secure Accuracy class: 0.2 s		
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