



Bundled Solar Photovoltaic Project by ACME



By KBS Certification Services Pvt. Ltd.

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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 25-April-2021 to 24-September-2021 (Inclusive of both days), under the crediting period 10-February-2017 to 09 February-2027, in the initial monitoring report version 01 dated 20-October-2021, with regard to the relevant requirements of VCS Standard Version 4.2.

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, 03 Corrective Action Requests (CARs) and 04 Clarification Requests (CLs) have been raised. All the CARs and CLs have been closed out successfully.

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 25-April-2021 to 24-September-2021 (Inclusive of both days) based on the reported emission reductions in the final monitoring report version 4 dated 28 January 2022 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 4.2.
- 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 911,456 tCO₂e emission reductions during the monitoring period (25-April-2021 to 24-September-2021 (Inclusive of both days)), under the first crediting period (10-February-2017 to 09 February-2027).

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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 25-April-2021 to 24-September-2021 (Inclusive of both days), under the crediting period 10-February-2017 to 09 February-2027, in the initial monitoring report version 01 dated 20-October-2021, with regard to the relevant requirements of VCS Standard Version 4.2. 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 4.2 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 4.2. 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 4.1 & VCS Standard Version 4.2)
- 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 (24-November-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 Private 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 25-April-2021 to 24-September-2021 (Inclusive of both days), it has generated 961,975.37 MWh Private net electricity, thereby resulting in emission reduction of 911,456 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 crosscheck 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 4.2 /4/. In addition, the verification team followed the guidelines of the CDM Validation and Verification Standard, version 03.0. 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	20 October 2021
Remote audit	24-November-2021 (Justification section 2.4 below)
Draft Verification Report	07 Dec 2021
Final Verification Report	28-January-2022

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, v4.2). 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 Verra 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:	24-November-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
	D. Asha	Consultant, Climate Change Operations EKI Energy Services Limited
	Pradyuman	Consultant, Climate Change Operations EKI Energy Services Limited
	Dhriti Pandey	Assistant Manager, O&M Department, ACME, Head office
	Ashutosh Singh	Manager, O&M Department, ACME, Head office
	Rajshekhar	Site incharge- ACME Hisar Solar Power Private Limited
	D.K Tiwari	State Head- ACME Karnata and Andhra Pradesh sites
	Ravindra Reddy	Cluster manager, ACME Telangana sites
	Subras	Site in-charge- ACME Mahbubnagar Solar Energy Pvt Ltd-
	Nagesh	Site in-charge- ACME Rajasthan sites
	Parvez	Site Personnel- Rajasthan sites
	Naveen Sharma	State Head- ACME Devishi Renewable Energy Pvt Ltd
	Sandeep Giri	Zonal Head- Devishi Solar Power Pvt Ltd (Gadarpur) Devishi Solar Power Pvt Ltd
	Harendra	Site in-charge- ACME Uttarakhand sites
	Gulam Ahmed Khan	State head--Telangana sites
	PV Subbaraju	ACME Solar Power Technology Private Limited, Bhongir
	Biplab	Site in-charge- Andhra Pradesh

	Pankaj Yadav	State Head- ACME Rewa Solar Energy Pvt Ltd
	AJAY KUMAWAT	Site Incharge, ACME Karimnagar Solar Power Pvt. Ltd.

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.

04 CLs and 03 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

No FAR has been raised during this verification.

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 February 2019/03/. However, during previous verification periods following four deviations have been observed which were accepted and applied satisfactorily-.

Deviation 1:

This deviation was a permanent monitoring deviation which was 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.

Deviation 2:

For 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.

Deviation 3:

There has been a change in the commissioning date of the ACME Bhiwadi Solar Power Pvt Ltd from 01-July-2018 to 05-July-2018. This has been made consistent with the commissioning certificate/09/ since it was incorrect in the validated PDD/03/

Deviation 4:

There has been change in the geocoordinates of some of the sites for better identification over satellite. This deviation was accepted during previous verification since the changes will have no impact on the start date or the crediting period of project activity along with its monitoring.

Also, following 2 deviation has been applied during the current monitoring period 25-April-2021 to 24-September-2021 (Inclusive of both days).

Deviation 5:

Name change has been reported for ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited. The names have been changed to Athena Bhiwadi Solar Power Pvt Ltd, Athena Hisar Solar Power Private Limited and Athena Karnal Solar Power Private Limited respectively. This change is observed and reported due to the asset transfer between the ACME group and Athena group. The verification team confirms that the approach does not alter the design of the project activity, monitoring approach, additionality, emission reduction and its calculations, hence it has been accepted.

CL 4 has been raised with reference to the name change conformation and the same to be reflected in Monitoring Report and ER sheet provided. The CL was satisfactorily closed upon receipt of supporting documents /22/. More details is provided in Appendix 2 of the FVR.

Deviation 6:

This deviation has been proposed with reference to apportioning of the data. In order to align the monitoring start date and end date with billing cycle, various start and end date of billing cycle shall be apportioned using Daily Generation Report of respective SPVs. The apportioning will be done on the basis of generation ratio (Generation ratio: DGR's generation for the period covered in the monitoring period/ DGR's Total generation for the month, the ratio is then multiplied with the export and import values). The apportioning procedure applied for the current monitoring period is provided in the emission reduction calculation spreadsheet and has been assessed by verification team /2/. The nature of deviation is permanent.

Deviation 7:

This permanent deviation has been proposed as ACME Rewari Solar Power Pvt Ltd and ACME Kurukshetra Solar Energy Pvt Ltd. Are not a part of the grouped project activity. These SPVs are not being verified and eligible since 01-July-2020. This change is observed and reported due to the asset transfer between the ACME group and Athena group. The verification team confirms that the approach does not alter the design of the project activity, monitoring approach, additionality, emission reduction and its calculations, hence it has been accepted

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 February 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. Further, in the MR, PP has also mentioned that due to PP administrative issues, two SPVs viz ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd are not claiming VER for the current monitoring period.

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.

SDG 7.2.1: Renewable energy share in the total final energy consumption:

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 (961,975.37 MWh net electricity under the monitoring period) without reliance on fossil fuels for generation of electricity to meet the growing demands in the region.

13.2.2: Total greenhouse gas emissions per year:

Project also claims to prevention of the release of 7,221,383 (484,608 +3,278,486 + 2,546,833+911,456) tCO₂e into the atmosphere since project commissioning.

8.6.1 Proportion of youth (aged 15-24 years) not in education, employment or training:

PP along with the technology supplier, the Project organize 01 training/ year for the staff on the technology and the monitoring of the plant operation, and the emergency and safety procedures. PP has conducted overall, 05 trainings are provided since project commissioning till the end of current monitoring period.

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 25-April-2021 to 24-September-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/DISCOM/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	961,975.37 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. 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 no FAR was to be addressed during this verification.

Finding: CL 01, CL 02, CL 03, CL 04, CAR 01, CAR 02 and CAR 03, 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 solar 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)

$EG_{PJ,y}$: 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 tCO_{2e}-MWh.

Therefore,

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

$$BE_y = (961,975.37) \times 0.9475$$

$$BE_y = 911,456 \text{ tCO}_2\text{e (rounded down)}$$

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 fixed ex-ante determined $EF_{grid,CM,y}$ emission factor 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 “CO₂ Baseline Database for Indian Power Sector” version 13.0, published by the Central Electricity Authority, Ministry of Power, Government of India. The value 0.9726 (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. Refer to appendix 5 for generation ratio, calculated which is applicable for the start month (25/04/2020 till 30/04/2020 and end month (01/09/2021 till 24/09/2021) during the current monitoring period. 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 the invoices raised to DISCOM and was able to verify the same.

Finding: CL 2/ CL 3/ CAR 2 was raised and closed satisfactorily.

Further, it observed that during the current monitoring period, there is an increase of 4.61% in claimed emission reductions i.e. 911,456 tCO₂e as compared to ex-ante emissions i.e. 871,299

tCO₂e. PP mentioned in the MR that this is due to natural phenomena and nature dependent and cannot be controlled by the Project Proponent.

As per the assessment mentioned in the project validation report/3/ on sensitivity analysis, the IRR will breach the defined benchmark only when the PLF is consistently increased to the range of 14.11% to 36.90% for various SPV for the project life time period. Thus, VT confirms that the seasonal increase of 4.61% in electricity generation will not affect the project additionality.

Based on the above, it can be confirmed that there is no impact on the additionality of the project activity despite increase of emission reduction achieved during monitoring period.

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 for the monitoring period 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 25-April-2021 to 24-September-2021(Inclusive of both days) under the crediting period 10-February-2017 to 09-February-2027, with regard to the relevant requirements of VCS Standard Version 4.2.

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 4 dated 28 January 2022. 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 4 dated 28 -January-2022.

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 25-April-2021 to 24-September-2021 (Inclusive of both days) based on the reported emission reductions in the final Monitoring Report Version 4 dated 28 January 2022 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 25-April-2021 to 24-September-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 emission reductions or removals (tCO ₂ e)	GHG
25-April-2021 to 24- September- 2021	911,456	0	0	911,456	
Total	911,456	0	0	911,456	

Location: Faridabad

Date: 28-January-2022



Authorized Signatory: Kaushal Goyal

Designation: Managing Director

KBS Certification Services Pvt. Ltd.

APPENDIX 1: REFERENCES

/1/	/1.1/ Monitoring Report, Version 01, dated 20-October-2021 (Initial Version) /1.2/ Monitoring Report, Version 04 dated 28 -January -2022 (Final Version)
/2/	/2.1/ Emission Reduction calculation sheet, Version 01 dated 20-October-2021 (corresponding to initial Version of VCS MR) /2.2/ Emissions Reduction calculation Sheet, Version 3 (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 VCS Standard Version 4.2
/5/	VCS Program guide Version 4.1
/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 16 instances
/10/	ACM0002 -- Version 19.0 AMS I- D - Version 18.0
/11/	Remote auditing (24-November-2021) for verification of measuring and monitoring procedure,
/12/	JMR for the entire monitoring period 25-April-2021 to 24-September-2021
/13/	Calibration Certificates for main meters and check meters
/14/	Invoices raised during the monitoring period 25-April-2021 to 24-September-2021
/15/	Organization structure/chart
/16/	VCS declaration for avoidance for double counting dated 5 December 2021
/17/	Scanned copy of the grievance registers
/18/	Training records for Project personnel incharge of monitoring process.
/19/	Maintenance checklist for the project activity for all the SPVs
/20/	Employment register maintained for the project activity for all the SPVs

/21/	Daily Generation records (DGR) for all SPVs
/22/	Amendment to Power Purchase Agreement signed between Solar Energy Corporation of India and SPV (ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited.) dated 31 March 2021, reflecting change in name of project entity.

APPENDIX 2: FINDINGS

Summary of findings	CL	CAR	FAR
	04	03	00

Date	Type & Number	Raised by	Reference
03/12/2021	CL 01	Verification team	
Non conformities raised			
The following documents are required as part of VCS verification process:			
1. Supportive regarding avoidance of double counting. 2. Employment register maintained for the project activity 3. Grievance Register maintained by PP 4. Daily generation report for current monitoring period. 5. Regular maintenance Records 6. Training records for Project personnel in-charge of monitoring process 7. Photos/videos of all project location with site details (name of promoter, capacity, no. panels etc) 8. Technical specification of SV panels installed by technology supplier for all sites 9. Applicable legislative clearances/consents			
Project Participant’s response		Date: 10/12/2021	
1. No double counting declaration is being provided. 2. Employment register are being provided. 3. Grievance register is being maintained. 4. Daily generation report for the current monitoring period is being submitted. 5. Maintenance records are being submitted. 6. Training records are being submitted. 7. Requisite photographs are being submitted. 8. Technical specification of the sites is being provided. 9. As Solar PV projects are in white category, therefore EIA and PCB approvals are not required. The commissioning certificates are being provided.			
Documentation Provided as Evidence by Project Participant			
Declaration, Employment register, KML files, grievance register DGR files, Maintenance records, training records, photographs and technical specifications.			

Information Verified by Team Leader	Date of review: 22/12/2021
1. The provided declaration of no double counting dated 5 December 2021 has been checked and found appropriate. Thus, this part of CL is closed. 2. The employment register image provided does not specifies the SPV unit's name and details. The required document for all the project sites needs to be furnished. Thus, this part of CL is open. 3. Grievance Register maintained for one site "ACME Solar Power Technology Private Limited", Telangana has been provided. However, the Grievance Register maintained at all the SPVs participating in the Bundled project is awaited. Thus, this part of CL is open. 4. The provided daily Generation records (DGR) for the all SPVs has been checked and found that the electricity generation values are in line with electricity generation values reported in the state electricity utility's monthly electricity generation records. Thus, this part of CL is closed. 5. The "Maintenance checklist" provided by PP does not reflect the SPV name. Also the checklist is dated 29 -11-2021 which is not covered in this monitoring period time frame. PP needs to provide the records maintained at all the SPVs participating in the Bundled project. Thus, this part of CL is open. 6. The training attendance sheet provided by PP for the SPV unit- "ACME Solar Power Technology Private Limited", is dated 29-11-2021, which is post the monitoring period observed. However, the training records for Project personnel involved in the monitoring process for all the SPVs participating in the Bundled project during the monitoring period is awaited. Thus, this part of CL is open. 7. Photos of project sites has been provided. However the photos of the meters provided is not legible. PP to provide photos of all the energy meters for all the SPVs participating in the Bundled project during the monitoring period is awaited. Thus, this part of CL is open. 8. The provided technical specification of all SV panels installed by technology supplier for all sites has been checked and found consistent with MR. Thus, this part of CL is closed. 9. Now, PP has provided the clarification for legal consents/clearances and commissioning certificates. The same has been checked and found consistent with commissioning dates mentioned in the MR. Thus, this part of CL is closed.	
Project Participant's response	Date: 23/12/2021
2. Employment register having SPV names are provided on sample basis. 3. Grievance register having SPV names are provided on sample basis. 5. Maintenance records on sample basis is being provided. 6. Training records of the monitoring period having SPV names are provided on sample basis. 7. Photos of energy meters are being provided.	

Documentation Provided as Evidence by Project Participant	
Employment register Grievance register, Maintenance records, training records and pictures.	
Information Verified by Team Leader	Date of review: 10/01/2022

2. The employment register details have been provided for the following SPVs –

- i. ACME PV Powertech Private Limited (Sadashivpet)
- ii. ACME Solar Power Technology Private Limited
- iii. ACME Kaithal Solar Power Private Limited
- iv. ACME Babadham Solar Power Private Limited
- v. ACME Koppal Solar Energy Private Limited
- vi. ACME Rewa Solar Energy Pvt Ltd
- vii. Sunworld Energy Pvt Ltd

Verification team has reviewed and assessed the images of employment register details provided for the above mentioned SPVs on sample basis and found appropriate. The Verification team further considers the details provided for above sample SPVs from every state to be appropriately representing for the complete SPVs considered for the bundled project. Hence, **this part of CL is closed now.**

3. Grievance register having SPV names have been provided for the following SPVs –

- i. ACME PV Powertech Private Limited (Sadashivpet)
- ii. ACME Solar Power Technology Private Limited
- iii. ACME Kaithal Solar Power Private Limited
- iv. ACME Babadham Solar Power Private Limited
- v. ACME Koppal Solar Energy Private Limited
- vi. ACME Rewa Solar Energy Pvt Ltd
- vii. Sunworld Energy Pvt Ltd

Verification team has reviewed and assessed the Grievance register allocated at the project site provided for the above mentioned SPVs on sample basis and found appropriate. Further, during remote audit interview, the state head and national head from HO also confirms that there is no any instance of grievance received to any of their site in the current project activity during this monitoring period. Hence, the Verification team further considers the details provided for above sample SPVs from every state to be appropriately representing for the complete SPVs considered for the bundled project. Hence, **this part of CL is closed now.**

4. . Maintenance checklist are now provided for the following SPVs –

- i. ACME PV Powertech Private Limited (Sadashivpet)
- ii. ACME Solar Power Technology Private Limited
- iii. ACME Kaithal Solar Power Private Limited
- iv. ACME Babadham Solar Power Private Limited
- v. ACME Koppal Solar Energy Private Limited
- vi. ACME Rewa Solar Energy Pvt Ltd
- vii. Sunworld Energy Pvt Ltd

Verification team has reviewed and assessed the Maintenance checklist provided for the above mentioned SPVs on sample basis and found satisfactory. The Verification team further considers the details provided for above sample SPVs from every state to be appropriately representing for the complete SPVs considered for the bundled project. Hence, **this part of CL is closed now.**

6. The Training records of the monitoring period having SPV names has been now provided for the 7 SPAs reflecting for all SPVs considered for the bundled project. Hence, **this part of CL is closed now.**

7. Photos of billing energy meters are being provided for all SPVs which has been reviewed by verification team. Hence, **this part of CL is closed now.**

Date	Type & Number	Raised by	Reference
03/12/2021	CL 02	Verification team	
Non conformities raised			
Quantity of net electricity generation supplied by the project plant/unit to the grid is not included for the following SPVs. Please clarify. ACME Rewari Solar Power Pvt Ltd Acme Kurukshetra Solar Energy Pvt Ltd ACME Bhiwadi Solar Power Pvt Ltd ACME Hisar Solar Power Private Limited ACME Karnal Solar Power Private Limited			
Project Participant's response		Date: 10/12/2021	
ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd values are not considered as the plant are sold and the SPVs are not aligned to claim carbon credits at the moment. Rest plant values are now being mentioned over the revised ER sheet.			
Documentation Provided as Evidence by Project Participant			
ER sheet V2.			
Information Verified by Team Leader		Date of review: 22/12/2021	
The revised ER sheet version 2 has been assessed to conform that ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd values are not considered for ER calculation. Generation from plants ACME Bhiwadi Solar Power Pvt Ltd/ ACME Hisar Solar Power Private Limited/ ACME Karnal Solar Power Private Limited are now included in the ER sheet version 2. The documentary evidence to support the claim that henceforth above mentioned 2 units (ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd) are not part of the Bundled group. Further, the information /deviation has not reported in the MR. Thus, this part of CL is open.			
Project Participant's response		Date: 23/12/2021	
Due to PP administrative issues, two SPVs viz ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd are not claiming VER for the current monitoring period. Information is now being added to section 3.1 of revised MR.			
Documentation Provided as Evidence by Project Participant			
MR V3			

Information Verified by Team Leader	Date of review: 10/01/2022
The revised MR version 3 has been reviewed by Verification team. PP has now clearly mentioned in MR under section 3.1 that ACME Rewari Solar Power Pvt Ltd and Acme Kurukshetra Solar Energy Pvt Ltd are not included for the calculation of VERs for the current monitoring period. Thus, this part of CL is closed.	

Date	Type & Number	Raised by	Reference
03/12/2021	CL 03	Verification team	
Non conformities raised			
1. PP shall clarify the billing cycle considered for the project activity, also how has it been insured that there is no double counting, as the dates are overlapping in the invoices for few of SPVs in Telangana. The similar clarification to be provided for all the other sites of the project activity. 2. For the SPVs located in Karnataka and Uttarakhand with billing cycle date considered from 1st date of the month, PP shall clarify how apportioning of data has been done and how it is conservative than other approaches. 3. For the SPVs located in Telangana, the generation of net electricity considered is from 23rd of every month, PP shall clarify how the value has been apportioned to be considered for the mentioned monitoring period. 4. Under section 1.10 of the VCS MR, the reference link for REC generators is not functional.			
Project Participant’s response		Date: 10/12/2021	
1. Overlapping dates in the JMRs comes with a recoding time (recorded at the end of the monitoring cycle date), therefore there is no scope of any double counting of generation values. 2. Apportioning is based upon the daily generation values recorded at the site. The generation ratio is being used for the apportioning. This method is most appropriate as there no uniformity of generation across any given month. 3. Apportioning is based upon the daily generation values recorded at the site. The generation ratio is being used for the apportioning. 4. Link is being updated at the revised MR.			
Documentation Provided as Evidence by Project Participant			
MR V2			
Information Verified by Team Leader		Date of review: 22/12/2021	

1. The response provided by PP has been reviewed and found appropriate. **Thus, this part of CL is closed.**
2. For SPVs located in Karnataka and Uttarakhand with billing cycle date considered from 1st of the month, PP has calculated the generation ratio for that month and used it for the apportioning. The monthly credit note, revised calculation and values mentioned in the ER sheet version 2 and has been assessed and found conservative, hence acceptable. **Thus, this part of CL is closed.**
3. For the SPVs located in Telangana, apportioning is done based on daily generation ratio data. The revised ER sheet version 2 reflects the same. Revised ER sheet checked and found appropriate. **Thus, this part of CL is closed.**
4. In the revised MR, version 02 the revised reference link for REC generators is now working/functional. The same has been checked and found that none of SPV in the current grouped project has been registered and avail REC benefit for the current monitoring period. **Thus, this part of CL is closed.**

Date	Type & Number	Raised by	Reference
17/01/2022	CL 4	Verification team	Section 3
Non conformities raised			
Under section 3.2 of Monitoring Report for “Deviations”, it has been reported that names of 3 SPVs have been changed (ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited to Athena Bhiwadi Solar Power Pvt Ltd, Athena Hisar Solar Power Private Limited and Athena Karnal Solar Power Private Limited respectively) . But this change in name of SPvs are not reflecting in the Monitoring Report and ER sheet provided. PP to clarify the same with supporting documentary evidence for change in the name.			
Project Participant’s response		Date: 17/01/2022	
Revised MR and ER is being submitted.			
Documentation Provided as Evidence by Project Participant			
ER, MR and Name change documents.			
Information Verified by Team Leader		Date of review: 17/01/2022	

PP conforms that the names of 3 SPVs, ACME Bhiwadi Solar Power Pvt Ltd, ACME Hisar Solar Power Private Limited and ACME Karnal Solar Power Private Limited have been changed to Athena Bhiwadi Solar Power Pvt Ltd, Athena Hisar Solar Power Private Limited and Athena Karnal Solar Power Private Limited respectively. This change is observed and reported due to the asset transfer between the ACME group and Athena group. Verification team has crosschecked the same against the amendment to Power Purchase Agreement signed between the SPVs and Solar Energy Corporation of India, dated 31 March 2021, reflecting the change in the project entity name.

Verification Team has reviewed the revised Monitoring Report version 4 and ER calculation sheet provided by PP and could conform the change in name for all 3 SPVs listed above reflecting in it.

Furthermore, the verification team confirms that the deviation in change of name of entity does not alter the design of the project activity, monitoring approach, additionality, emission reduction and its calculations, hence deviation proposed with reference to name change has been accepted.

CL 4 Closed now.

Date	Type & Number	Raised by	Reference
03/12/2021	CAR 01	Verification team	Section 1
Non conformities raised			
1. Under section 1.1 of Monitoring report, the relevant implementation dates (e.g., dates of construction, commissioning, and continued operation periods) are not been included. 2. In accordance with VCS standard requirements for grouped projects, geo-coordinates of the location sites should be submitted separately as a KML file.			
Project Participant's response		Date: 10/12/2021	
1. Section 1.1 of the monitoring report is updated for commissioning date (cross reference to section 3.1 as the table is quite big) and continues operation periods. 2. KML file was submitted at the time of registration also project specific KML file is being submitted now to VVB for the reviews.			
Documentation Provided as Evidence by Project Participant			
MR V2 and KML file.			
Information Verified by Team Leader		Date of review: 22/12/2021	
1. The revised MR version 2 has been reviewed, PP has indicated the dates as the cross reference to section 3.1, under section 1.1. Thus, this part of CAR is closed. 2. The provided Geo-coordinates KML file has been checked and the geo coordinates has been found consistent with MR. Thus, this part of CAR is closed.			

Date	Type & Number	Raised by	Reference
03/12/2021	CAR 02	Verification team	
Non conformities raised			
1. In the ER calculation sheet, VER Sheet_1.1-1.17/2_16 tab, the Net electricity generation (export/import values) are not provided for the month of August-September (25 August- 24 September) for all the SPVs. 2. In the ER calculation sheet, (tab VER Sheet 2_16), no generation data has been added for the period 01/05/2021- 01/06/2021 for the site 9/10 “Devishi Renewable Energy Pvt Ltd”. 3. In the ER calculation sheet, (tab VER Sheet 2_16) for SPV 13. ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR), generation value as reflecting in Invoice has not been mentioned.			
Project Participant’s response		Date: 10/12/2021	
1. ER sheet is now revised with values covered in the monitoring period. 2. ER sheet is now revised with Devishi Renewable Energy Pvt Ltd values covered in the monitoring period. 3. ER sheet is now revised with ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR) values covered in the monitoring period.			
Documentation Provided as Evidence by Project Participant			
ER V2			
Information Verified by Team Leader		Date of review: 22/12/2021	
1. The revised ER sheet version 2 has been assessed. The Net electricity generation (export/import values) are now provided for the month of August-September (25 August- 24 September) for all the SPVs. The same has been checked and found consistent with corresponding electricity generation report. Thus, this part of CAR is closed. 2. The revised ER sheet version 2 has been assessed. Generation data has been now added for the period 01/05/2021- 01/06/2021 for the site “Devishi Renewable Energy Pvt Ltd. The same has been checked and found consistent with corresponding electricity generation report. Thus, this part of CAR is closed. 3. The revised ER sheet version 2 has been assessed. The generation values for ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR) is now reflecting in the ER sheet. The same has been checked and found consistent with corresponding electricity generation report. Thus, this part of CAR is closed.			

Date	Type & Number	Raised by	Reference
03/12/2021	CAR 3	Verification team	MR- sec 5.4
Non conformities raised			
1. Under section 5.4 of the monitoring report, the monitoring period mentioned is inconsistent with current monitoring period and that reflecting in the cover page. 2. Under section 5.4, the estimated value of Emission reduction projected for this current monitoring in PD has not been highlighted. Also, the reason for difference in emission achieved during this current monitoring period has not been addressed adequately. 3. The vintage breakdown for emission reductions achieved for each project activity instances needs to be separately mentioned in the report for the stated monitoring period time frame.			
Project Participant's response		Date: 10/12/2021	
1. Monitoring period is now revised in monitoring report V2. 2. The estimates and achieved emission reduction are being added to the revised MR. Reason for the difference is also added and the effect on additionality is also crosschecked. 3. Since its for year 2021, the vintage breakdown is not mentioned. The emission reduction per SPV is being tabulated in section 5.4 of the revised MR.			
Documentation Provided as Evidence by Project Participant			
MR V2			
Information Verified by Team Leader		Date of review: 22/12/2021	
1. The revised MR version 2 has been reviewed. The monitoring period mentioned under section 5.4 of the monitoring report has been revised and found consistent throughout the MR. Thus, this part of CAR is closed. 2. The revised MR version 2 has been reviewed .The estimated value of Emission reduction projected for this current monitoring in PD has been now mentioned under section 5.4 in the revised MR version 2 and the reason for difference in emission achieved during this current monitoring period has now been addressed. The same has been checked and found appropriate. Thus, this part of CAR is closed. 3. The emission reduction per SPV is reflecting now in section 5.4 of the revised MR version 2. The same has been checked and found consistent with ER calculation sheet. Thus, this part of CAR is closed.			

APPENDIX 3: COMPETENCE OF TEAM MEMBERS

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		

Personnel Name:		Ms. Shilpa Swarnim	
Qualified to work as:			
Team Leader (Trainee)	☒	Technical Expert	☒
Validator/Verifier- Trainee	☒	Financial Expert	☐
Technical Reviewer	☐	Local Expert	☐
Area(s) of Technical Expertise			

Sectoral Scope	Technical Area
SS: 01: Energy industries	TA 1.2: Energy generation from renewable energy sources
SS 14: Afforestation and reforestation	TA 14.1 Afforestation and reforestation
Approved by (Manager C & T)	Shikha Sharma
Approval date:	06/09/2021

Personnel Name:		Anjana Sharma	
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	
SS: 01: Energy industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
	TA 1.2: Energy generation from renewable energy sources		
SS 3: Energy demand	TA 3.1. Energy Demand		
SS 5: Chemical industry	TA 5.1 Chemical industry		
SS 12: Solvents use	TA 12.1 Chemical industry		
SS 13: Waste handling and disposal	TA 13.1 Waste Handling and Disposal		
	TA 13.2 Manure		
Approved by (Manager C & T)		Shikha Sharma	
Approval date:		05-August-2021	

APPENDIX 4: CALIBRATION DETAILS OF METERS

Project Instance Number	Name of the SPVs	Capacity (MW)	Main Meter Details	Check Meter Details	Calibration Date	Due date
1	Sunworld Solar Power Pvt Ltd	30	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	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	SL. No. APZ00188 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00189 Make: Secure Accuracy class: 0.2 s	14-July-2017	28-October-2025
					29-October-2020	
	ACME Nizamabad Solar Energy Pvt Ltd	50	SL. No. APZ00194 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00195 Make: Secure Accuracy class: 0.2 s	11-September-2017	20-March-2025
					21-March-2020	
	ACME PV Powertech Private Limited (Sadashivpet)	50	SL. No. APZ00200 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00201 Make: Secure Accuracy class: 0.2 s	07-July-2017	18-September-2025
					19-September-2020	
	ACME Solar Power	50	SL. No. APZ00185 Make: Secure	SL. No. APZ00186 Make: Secure	05-February-2018	08-November-2025

	Technology Private Limited		Accuracy class: 0.2 s	Accuracy class: 0.2 s	09-November-2020	
	ACME Rewari Solar Power Pvt Ltd	50	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	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	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	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	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	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	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	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	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	SL. No. 18053541 Make: L&T Accuracy Class: 0.2s	SL. No. 18053542 Make: L&T Accuracy Class: 0.2s	24- Septembe r-2018	23- Septemb er-2023

	ACME Chittorgarh Solar Energy Pvt. Ltd	250	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 Solar Power Pvt Ltd	15	SL. No. APZ00131 Make: Secure Apex 150 Accuracy class: 0.2 s	SL. No. APZ00132 Make: Secure Apex 150 Accuracy class: 0.2 s	02-March- 2017	08- January- 2026
					09- January- 2021	
3	Purvanchal Solar Power Pvt Ltd	15	SL. No. APZ00102 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00103 Make: Secure Accuracy class: 0.2 s	16- November -2019	15- Novembe r-2024
4	Rewanchal Solar Power Pvt Ltd	15	SL. No. APZ00106 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00107 Make: Secure Accuracy class: 0.2 s	24-March- 2017	04- January- 2026
					05- January- 2021	
5	Neemuch Solar Power Pvt Ltd	15	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	SL. No. APZ00116 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00117 Make: Secure Accuracy class: 0.2 s	21-June- 2019	22-June- 2024
7	ACME Narwana Solar Power Pvt Ltd (Lingampet)	15	SL. No. APZ00126 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00127 Make: Secure Accuracy class: 0.2 s	24- February- 2017	22-July- 2025
					23-July- 2020	

8	ACME Warangal Solar Power Pvt Ltd	15	SL. No. APZ00121 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00122 Make: Secure Accuracy class: 0.2 s	13- December -2019	12- Decembe r-2024
9	Devishi Renewable Energy Pvt Ltd	13	SL. No. UKD02401 Make: Secure Accuracy class: 0.2 s	SL. No. UKD02402 Make: Secure Accuracy class: 0.2 s	01- November -2019	31- October- 2024
10	Devishi Solar Power Pvt Ltd	13	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	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	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	SL. No. APZ00316 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00317 Make: Secure Accuracy class: 0.2 s	17- Septembe r-2017 24-August- 2020	25- August- 2025
14	ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR)	10	SL. No. APZ00301 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00302 Make: Secure Accuracy class: 0.2 s	11- Septembe r-2017 16-March- 2020	15- March- 2025

15	ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI)	10	SL. No. APZ00312 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00313 Make: Secure Accuracy class: 0.2 s	09- Septembe r-2017	26-July- 2025
					27-July- 2020	
16	ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI)	10	SL. No. APZ00306 Make: Secure Accuracy class: 0.2 s	SL. No. APZ00307 Make: Secure Accuracy class: 0.2 s	16- November -2019	15- Novembe r-2024

APPENDIX 5: GENERATION RATIO

For Sunworld Solar Power Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportioned using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 25-May-2021:	5,616,200	25,700
Generation from 25-April-2021 to 25-May-2021:	5,428,700	24,900
Generation ratio:	0.9666	0.968872
Generation from 24-August-2021 to 25-September-2021:	4,519,100	25,100
Generation from 24-August-2021 to 24-September-2021:	4,364,900	24,200
Generation ratio:	0.9658	0.9641

For ACME Ranga Reddy Solar Power Pvt Ltd: End date of monitoring period doesn't match with billing cycle, therefore end date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 24-August-2021 to 25-September-2021:	4,111,800	23,200
Generation from 24-August-2021 to 24-September-2021:	3,980,400	22,400
Generation ratio:	0.9680	0.9655

For ACME Medak Solar Energy Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 26-March-2021 to 26-April-2021:	7,743,400	28,760
Generation from 25-April-2021 to 26-April-2021:	506,000	1,740
Generation ratio:	0.06534	0.0605
Generation from 25-August-2021 to 25-September-2021:	6,364,900	35,260

Generation from 25-August-2021 to 24-September-2021:	6,171,500	34,180
Generation ratio:	0.9696	0.9693

For ACME Nizamabad Solar Energy Pvt. Ltd.: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 26-March-2021 to 26-April-2021:	8,708,456	31,200
Generation from 25-April-2021 to 26-April-2021:	589,097	2,000
Generation ratio:	0.0676	0.0641
Generation from 26-August-2021 to 26-September-2021:	6,843,400	36,500
Generation from 26-August-2021 to 25-September-2021:	6,660,200	35,300
Generation ratio:	0.9732	0.9671

For ACME PV Powertech Pvt. Ltd.: Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	8,516,000	32,040
Generation from 25-April-2021 to 24-May-2021:	8,297,750	31,000
Generation ratio:	0.9743	0.9675

For ACME Solar Power Technology Private Limited: Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	9,331,762	32,228
Generation from 25-April-2021 to 24-May-2021:	9,200,362	31,428
Generation ratio:	0.9859	0.9751

For Athena Bhiwadi Solar Power Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Net Export (MWh)
Generation from 01-April-2021 to 30-April-2021:	10,109
Generation from 25-April-2021 to 30-April-2021:	2,106
Generation ratio:	0.2082
Generation from 01-September-2021 to 30-September-2021:	8,965
Generation from 01-September-2021 to 24-September-2021:	7,190
Generation ratio:	0.8019

For Athena Hisar Solar Power Private Limited: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Net Export (MWh)
Generation from 01-April-2021 to 30-April-2021:	9,972
Generation from 25-April-2021 to 30-April-2021:	2,081
Generation ratio:	0.2086
Generation from 01-September-2021 to 30-September-2021:	8,942
Generation from 01-September-2021 to 24-September-2021:	7,162
Generation ratio:	0.8009

For Athena Karnal Solar Power Private Limited: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Net Export (MWh)
Generation from 01-April-2021 to 30-April-2021:	10,226
Generation from 25-April-2021 to 30-April-2021:	2,135
Generation ratio:	0.2088
Generation from 01-September-2021 to 30-September-2021:	9,113

Generation from 01-September-2021 to 24-September-2021:	7,282
Generation ratio:	0.7990

For ACME Kaithal Solar Power Private Limited: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	7,333,986	27,328
Generation from 25-April-2021 to 30-April-2021:	1,489,066	5,581
Generation ratio:	0.2030	0.2042
Generation from 01-September-2021 to 30-September-2021:	5,584,184	25,900
Generation from 01-September-2021 to 24-September-2021:	4,588,125	20,629
Generation ratio:	0.8216	0.7964

For ACME Babadham Solar Power Private Limited: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	7,547,000	28,000
Generation from 25-April-2021 to 30-April-2021:	1,532,000	6,000
Generation ratio:	0.2029	0.2142
Generation from 01-September-2021 to 30-September-2021:	6,343,510	16,000
Generation from 01-September-2021 to 24-September-2021:	5,231,100	13,000
Generation ratio:	0.8246	0.8125

For ACME Koppal Solar Energy Private Limited: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 03-April-2021 to 04-May-2021:	7,387,625	2,5075
Generation from 25-April-2021 to 04-May-2021:	2,242,300	7,950

Generation ratio:	0.3035	0.3170
Generation from 01-September-2021 to 30-September-2021:	5,900,500	25,325
Generation from 01-September-2021 to 24-September-2021:	4,759,825	20,050
Generation ratio:	0.806	0.7917

For ACME Vijayapura Solar Energy Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	7,190,910	25,480
Generation from 25-April-2021 to 30-April-2021:	1,462,910	5,090
Generation ratio:	0.2034	0.1997
Generation from 01-September-2021 to 30-September-2021:	5,284,560	27,520
Generation from 01-September-2021 to 24-September-2021:	4,384,090	21,770
Generation ratio:	0.8296	0.7910

For ACME Rewa Solar Energy Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	22,777,200	45,000
Generation from 25-April-2021 to 30-April-2021:	4,359,600	9,000
Generation ratio:	0.1914	0.200
Generation from 01-September-2021 to 30-September-2021:	18,246,510	52,722
Generation from 01-September-2021 to 24-September-2021:	14,313,000	42,000
Generation ratio:	0.7844	0.7966

For ACME Chittorgarh Solar Energy Pvt. Ltd: Net daily export is provided by the Northern Regional Power Committee (NRPC) therefore the actual values are used directly.

For ACME Karimnagar Solar Power Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 23-April-2021 to 24-May-2021:	2,727,590	5,760
Generation from 25-April-2021 to 24-May-2021:	2,546,010	5,400
Generation ratio:	0.9334	0.9375
Generation from 24-August-2021 to 27-September-2021:	2,198,539	6,300
Generation from 24-August-2021 to 24-September-2021:	2,042,377	5,760
Generation ratio:	0.9289	0.9142

For Purvanchal Solar Power Pvt Ltd: End date of monitoring period doesn't match with billing cycle, therefore end date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 25-August-2021 to 25-September-2021:	2,141,294	7,541
Generation from 25-August-2021 to 24-September-2021:	2,075,609	7,269
Generation ratio:	0.9693	0.9638

For Rewanchal Solar Power Pvt Ltd: End date of monitoring period doesn't match with billing cycle, therefore end date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 25-August-2021 to 25-September-2021:	1,883,533	8,494
Generation from 25-August-2021 to 24-September-2021:	1,824,175	8,218
Generation ratio:	0.9684	0.9675

For Neemuch Solar Power Pvt Ltd: Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	2,902,628	7,376
Generation from 25-August-2021 to 24-September-2021:	2,803,428	7,126

Generation ratio:	0.9658	0.9661
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For ACME Fazilka Power Pvt Ltd: Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 23-April-2021 to 24-May-2021:	2,854,560	6,659
Generation from 25-April-2021 to 24-May-2021:	2,681,257	6,230
Generation ratio:	0.9392	0.9355

For ACME Narwana Solar Power Pvt Ltd: Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	2,637,000	5,800
Generation from 25-April-2021 to 24-May-2021:	2,541,898	5,600
Generation ratio:	0.9639	0.965

For ACME Warangal Solar Power Pvt Ltd: End date of monitoring period doesn't match with billing cycle, therefore end date is apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 25-August-2021 to 25-September-2021:	2,121,000	6,150
Generation from 25-August-2021 to 24-September-2021:	2,051,100	5,950
Generation ratio:	0.9670	0.9674

For Devishi Renewable Energy Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	2,162,772	4,292
Generation from 25-April-2021 to 30-April-2021:	545,652	980
Generation ratio:	0.2522	0.2282

Generation from 01-September-2021 to 30-September-2021:	1,870,501	5,385
Generation from 01-September-2021 to 24-September-2021:	1,450,421	4,255
Generation ratio:	0.7754	0.7902

For Devishi Solar Power Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values:

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	2,169,488	5,168
Generation from 25-April-2021 to 30-April-2021:	534,241	1,232
Generation ratio:	0.2462	0.2384
Generation from 01-September-2021 to 30-September-2021:	1,901,003	6,308
Generation from 01-September-2021 to 24-September-2021:	1,477,387	4,997
Generation ratio:	0.7771	0.7921

For Sunworld Energy Pvt Ltd: Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date are apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 01-April-2021 to 30-April-2021:	2,027,044	6,555
Generation from 25-April-2021 to 30-April-2021:	528,461	1,569
Generation ratio:	0.2607	0.2393
Generation from 01-September-2021 to 30-September-2021:	1,672,431	6,606
Generation from 01-September-2021 to 24-September-2021:	1,302,400	5,295
Generation ratio:	0.7787	0.8015

For ACME Yamunanagar Solar Power Pvt Ltd-1 (KOSGI): Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	1,980,850	4,450

Generation from 25-April-2021 to 24-May-2021:	1,908,550	4,300
Generation ratio:	0.9635	0.966

For ACME Yamunanagar Solar Power Pvt Ltd-2 (MOTHKUR): Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	2,003,185	5,880
Generation from 25-April-2021 to 24-May-2021:	1,933,125	5,680
Generation ratio:	0.9650	0.9659

For ACME Mahbubnagar Solar Energy Pvt Ltd-2 (GODHUR): Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 24-May-2021:	1,833,250	5,400
Generation from 25-April-2021 to 24-May-2021:	1,770,400	5,250
Generation ratio:	0.9657	0.9722

For ACME Mahbubnagar Solar Energy Pvt Ltd-3 (PADMAJIWADI): Start date of monitoring period doesn't match with billing cycle, therefore start date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 25-May-2021:	1,980,700	4,400
Generation from 25-April-2021 to 25-May-2021:	1,915,600	4,250
Generation ratio:	0.9671	0.9659

For ACME Mahbubnagar Solar Energy Pvt Ltd-1 (MANTHANI): Start and end date of monitoring period doesn't match with billing cycle, therefore start and end date is apportionate using the Daily generation values

	Export (kWh)	Import (kWh)
Generation from 24-April-2021 to 25-May-2021:	1,819,981	3,774
Generation from 25-April-2021 to 25-May-2021:	1,757,769	3,648

Generation ratio:	0.9658	0.9666
Generation from 01-September-2021 to 30-September-2021:	1,425,257	4,459
Generation from 01-September-2021 to 24-September-2021:	1,382,202	4,316
Generation ratio:	0.9697	0.9678