# Renewable Solar Power Project by ReNew Solar Power Private Limited

Document Prepared by Earthood Services Limited

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| Report ID | VCS.VER.24.44 |
| Project title | Renewable Solar Power Project by ReNew Solar Power Private Limited |
| Project ID | 1851 |
| Verification period | 01-April-2024 to 31-January-2025 |
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| Version | 3.0 |
| *VCS Standard* Version | 4.7 |
| Client | ReNew Solar Power Private Limited |
| Prepared by | Earthood Services Limited (Formerly known as Earthood Services Private Limited) |

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## Summary:

Earthood Services Limited (hereafter referred to as Earthood, formerly Earthood Services Private Limited) has been contracted to conduct the verification of the project "Renewable Solar Power Project by Renew Solar Power Private Limited", (VCS ID-1851) with regards to relevant requirements of VCS programme guidelines and standard (VCS standard version 4.7)/07/ & VCS program guide version 4.4/06/).

"Renewable Solar Power Project by ReNew Solar Power Private Limited" is a bundled project with a capacity of 927 MW installed in the Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India.

The project activity was commissioned in phase-wise manner and started operation from 13 February 2017 which is also the date of commissioning of one of the earliest SPV (24 MW solar project by Renew Mega Solar Power Private Limited). The monitoring period for this verification is 01-April-2024 to 31-January-2025 (including both days) and the project activity achieved 1,331,672 $tCO_2e$ emission reductions during this monitoring period thereon supplied 1,407,281.64 MWh amount of electricity from the generation-mix of power plants connected to the Indian grid, which are mainly dominated by carbon intensive fossil fuel-based power plant. During the current monitoring period, no major breakdown or shut down of the plant happened which could have had an impact on the emission reduction.

The project applies the approved large-scale CDM methodology ACM0002: "Grid-connected electricity generation from renewable sources", Version 19.0/08/.

The methodology also refers to the latest approved versions of the following tools:

- Tool to calculate the emission factor for an electricity system (Version 7.0.0)/10/
- Methodological tool on "Tool for the demonstration and assessment of additionality" (Version 7.0)/09/

### Scope of verification

Earthood Services Limited (hereafter referred as Earthood, formerly Earthood Services Private Limited) was contracted to conduct the verification of the project activity "Renewable Solar Power Project by ReNew Solar Power Private Limited" for the monitoring period from 01-April-2024 to 31-January-2025 (including both days) according to the requirements of the Verified Carbon Standard Version 4.7/07/. The sectoral scope of the project is SS 01 – Energy Industries (renewable /non-renewable sources) – applying CDM approved methodology ACM0002: Large-scale Consolidated Methodology: Grid-connected electricity generation from renewable sources, Version 19.0/08/.

The assessment team verified the project by conducting a document review and analysis of the VCS Joint PD and MR/01/, VCS MR/03/, ER Sheet/04/ and other related documents provided by the Project Participant to Earthood. Remote audit and follow up interviews with project stakeholders were conducted after which resolution of outstanding issues was done leading to the issuance of the final report and opinion. A total of 02 CLs and 02 CARs have been raised during the verification process of the project activity and successfully closed.

Summary of the verification opinion

Earthood has performed the verification of the VCS project activity "Renewable Solar Power Project by ReNew Solar Power Private Limited". The assessment team has confirmed that:

- The PA is in accordance with all relevant host country criteria (India) and VCS rules and requirements/06/07/.
- The PA is in accordance with all conditions of the latest version of applied methodology ACM0002, Version 19.0 "Grid-connected renewable electricity generation from renewable sources"/08/
- The monitoring plan is transparent and adequate.
- The installed equipment essential for measuring parameters required for calculating emission reductions are properly maintained.
- The monitoring system is in place and functional. The project has generated GHG emission reductions.
- All the information has been consistently applied in the VCS-MR/03/

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# 1 INTRODUCTION

## 1.1 Objective

Earthood was contracted to conduct the verification of the project activity titled "Renewable Solar Power Project by ReNew Solar Power Private Limited" with VCS ID 1851. The verifiers have reviewed the GHG data collected to date for the monitoring period 01-April-2024 to 31-January-2025 (including both days) covered in this verification.

The objective of this verification is a thorough and independent assessment of registered project activities against the applicable VCS requirements by the VVB. The verification process shall determine whether the proposed project activity complies with the requirement of latest VCS guidelines, applicability conditions of the selected methodology, relevant host country regulations and guidance issued by the VCS Board.

## 1.2 Scope and Criteria

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

- An independent and objective review of the Monitoring report (MR)/03/ prepared as per the registered VCS Joint PD & MR/01/ and registered approved methodology ACM0002, version 19.0/08/.
- The project activity is in accordance with all relevant host country criteria (India).
- The project activity is in accordance with all relevant VCS rules and requirements/06/07/.
- the project activity is in accordance with conditions of the version of applied methodology ACM0002: Grid-connected renewable electricity generation from renewable sources --- Version 19.0/08/

The verification is not meant to provide any consulting towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the Monitoring report. In line with Guidelines for Application of materiality in verifications, the verification team has conducted a complete verification of all the information presented in the monitoring report and data monitored as presented in the emission reduction calculation spread sheet. There are no material errors, overestimation of ER, omission or misstatement. Verification team conducted remote audit to verify metering/monitoring arrangement. The verification team has reviewed all the documents like commissioning certificates/14/, technical specification/20/, Calibration certificates/15/, invoices/22/, grievance register/18/ etc.

## 1.3 Level of Assurance

☒ Reasonable Level of assurance

☐ Limited Level of assurance

Earthood's verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. Earthood planned and performed the verification by obtaining evidence, conducting the remote audit and other information and explanations that Earthood considers necessary to give reasonable assurance that reported estimated GHG emission reductions are fairly stated. During the current verification the VVB conducted the remote audit for the project activity as discussed under section 2.4 of this report and no substantial changes were observed thereby meeting the reasonable level of assurance. In our opinion, the estimated GHG emissions reductions were calculated correctly based on the approved baseline and monitoring methodology ACM0002, Version 19.0/8/, and the VCS standard, Version 4.7/07/. The evidence used to achieve a reasonable level of assurance is specified in section 2.3 and 2.4 of this report.

## 1.4 Summary Description of the Project

The project activity "Renewable Solar Power Project by ReNew Solar Power Private Limited" involves the installation of 927 MW solar power project in Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India. The 26 SPVs project have been developed by ReNew Solar Power Private Limited. The project harnesses the solar energy to generate and supply electricity to the Indian National grid, and therefore replacing the electricity that would have been generated through the carbon intensive fossil-fuel power plant or by addition of new units in the future. Hence, reducing the probable GHG emissions produced. The power generated through the project activity is then sold to the state discoms, 3rd party, NTPC Limited and SECI Limited, which has been verified through the invoices/22/ issued by the PP and the Power Purchase Agreement/16/, and same has been dictated in section 3.1 of MR. The implementation of the project has been verified through various photographs of the project site shared by the PP/19/.

The start date of the project activity is 13/02/2017, which is the earliest date of interconnection with the grid as the commissioning date of 24 MW solar power plant by Renew Mega Solar Power Private Limited in the state of Telangana. The start date has been verified through the commissioning certificates/14/ of the solar power plants. The current monitoring period for this verification is from 01-April-2024 to 31-January-2025 (including both days) and the project activity has supplied 1,407,281.64 MWh of electricity, achieving actual GHG emission reductions as 1,331,672 $tCO_2e$ (Round down value). For the current monitoring period, no major breakdown or shut down of the plant happened which could have an impact on the emission reduction, which has been verified through the breakdown sheet/23/.

Remote audit /11/ was conducted on 15/04/2025 and it was confirmed that the current monitoring period from 01/04/2024 to 31/01/2025 involves the generation and supply of 1,407,281.64 MWh electricity from all the 26 SPVs located in Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India.

The Commissioning Certificates/14/, Power Purchase Agreement/16/ and technical specifications/20/ of each Solar power plant have been verified by the verification team. The location of these plants has been confirmed from the Google maps/24/. The technical specifications provided for each of the SPVs have been checked from the commissioning certificates/14/. The capacities of each SPV along with the dates of commissioning of these are given below.

| Sr.No. | Name of SPV | Capacity (MW) | Date of Commissioning | State |
|---|---|---|---|---|
| 1. | Bhumi Prakash Private Limited | 20 | 26/09/2017 | Karnataka |
| 2. | Renew Wind Energy (MP Four) Private Limited | 20 | 28/04/2017 | |
| 3. | Renew Agni Power Private Limited | 20 | 31/03/2017 | |
| 4. | Renew Wind Energy (Karnataka 3) Private Limited | 20 | 27/03/2017 | |
| 5. | Tarun Kiran Bhoomi Private Limited | 20 | 31/03/2017 | |
| 6. | Renew Wind Energy (Karnataka 4) Private Limited | 20 | 31/03/2017 | |
| 7. | Renew Wind Energy (Budh 3) Private Limited | 20 | 16/03/2018 | |
| 8. | Renew Wind Energy (Budh 3) Private Limited | 20 | 09/03/2018 | |
| 9. | Renew Wind Energy (Budh 3) Private Limited | 20 | 30/12/2017 | |
| 10. | Renew Wind Energy (Maharashtra) Private Limited | 20 | 13/10/2017 | |
| 11. | Renew Wind Energy (Rajasthan Four) Private Limited | 20 | 07/12/2017 | |
| 12. | Renew Wind Energy (MP Three) Private Limited | 20 | 11/11/2017 | |

| | | | | |
|---|---|---|---|---|
| 13. | Renew Saur Urja Private Limited | 50 | 26/05/2017 | |
| 14. | Renew Wind Energy (TN2) Private Limited | 50 | 14/12/2017 | |
| 15. | Renew Solar Energy (Karnataka Two) Private Limited | 40 | 31/03/2017 | Gujarat |
| 16. | Renew Clean Energy Private Limited | 51 | 01/10/2017 | Madhya Pradesh |
| 17. | Aalok Solarfarms Limited | 10 | 06/11/2017 | Rajasthan |
| 18. | Abha Solarfarms Limited | 10 | 17/10/2017 | |
| 19. | Heramba Renewbles Limited | 20 | 17/10/2017<br>28/10/2017 | |
| 20. | Shreyas Solarfarms Limited | 20 | 17/11/2017 | |
| 21. | ReNew Solar Energy (Telangana) Private Limited | 143 | 28/04/2017<br>16/05/2017<br>22/06/2017<br>03/07/2017<br>12/07/2017 | Telangana |
| 22. | Renew Mega Solar Power Private Limited | 48 | 13/02/2017<br>21/02/2017 | |
| 23. | Renew Saur Shakti Private Limited | 30 | 14/02/2017<br>04/03/2017<br>30/03/2017<br>30/05/2017<br>11/06/2017 | |
| 24. | Renew Saur Shakti Private Limited | 65 | 29/05/2017<br>07/07/2017 | |
| 25. | Renew Wind Energy (TN2) Private Limited | 100 | 01/11/2017 | |

| | | | | |
|---|---|---|---|---|
| 26. | Prathamesh Solarfarms Limited | 50 | 20/09/2017 | |

# 2 VERIFICATION PROCESS

The verification team has performed the twelfth verification of the project activity, no validation activities have been performed during this verification.

## 2.1 Method and Criteria

The overall verification, from Contract Review to Verification Report & Opinion, was conducted using Earthood's internal procedures. The Project was verified against the latest requirements of VCS Program Guide, Version 4.4/06/ and guidance set out in VCS Standard version 4.7 /07/ as applicable.

The validation/verification process consists of the following three phases:

- A desk review of the VCS Joint PD and MR/01/, VCS MR/02/ and ER Sheet/04/ (described in section 2.2)
- Video conferencing and follow up interviews with PP and Client (described in section 2.3)
- The resolution of outstanding issues and issuance of final report and opinion.

A competent assessment team is selected prior to the start of the verification. The team is selected to cover the technical area(s), sectoral scope(s) and relevant host country experience for evaluating the VCS project activity. Additionally, a competent technical reviewer or technical reviewer team is appointed to conduct checks on quality and completeness.

The verification team performed first a desk review, followed by remote audit, which resulted in the formation of a draft report and a list of findings. The next step involved the evaluation of the findings through direct communication with the PP and then finally the preparation of the verification report.

**Table 1: Verification Schedule**

| Key Milestones | Date |
|---|---|
| Kick-off meeting | 21/03/2025 |
| Desk Review | 25/03/2025 |
| Remote Audit | 15/04/2025 |

| Draft Validation Report | 16/04/2025 |
|---|---|

## 2.2 Document Review

The verification is performed primarily as a document review of the documents submitted at various stages of assessments. The review is performed by assessment team using dedicated protocols. The assessment team cross checks the information provided in the documents (the VCS Joint PD and MR/01/ & Monitoring Report/02/) and information from sources other than those used, if available, and conducts independent background investigations. Earthood conducted a desk review as under:

a) A review of the data and information presented to verify their completeness.

b) A review of the monitoring plan, the monitoring methodology including applicable tool(s) and, where applicable, the applied standardized baseline, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures.

c) An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

## 2.3 Interviews

A remote audit was conducted for the project activity on 15/04/2025. As per para 4.1.12 of the VCS Standard, v4.7 "A site visit that includes a visit to facilities and/or project areas shall be conducted at validation. Such a site visit shall be conduct at verification under the following circumstances: 1. The first verification of the project after validation; 2. Verification of project baseline reassessments; and 3. Verifications that assess a project description deviation where the deviation impacts the applicability of the methodology, additionality, or the appropriateness of the baseline scenario." The scope of the assessment is the 12$^{th}$ verification of the project activity. Hence, this is not the validation, first verification of the project activity and verification of the baseline reassessments. Also, the project activity doesn't have any project description deviation in the current monitoring period.

The VVB has taken alternative measures to reach reasonable level of assurance and conducted remote audit through video conferencing with site personal and consultant (refer the table below) with the PP representative.

The technical specifications, metering details/20/ and monitoring arrangement verified through site photographs/19/ name plates and calibration certificates shared by the PP. All the documents were cross-checked to ensure conservative estimation of emission reduction.

During the remote audit, all the PP representatives were questioned about the implementation of the project activity. Several topics like the verification of commissioning certificates of all the SPVs/14/, commissioning date of equipment's, generation records, monitoring practices, maintenance of the facility, data collection, employment, training given to employees, grievance mechanism, major shutdown in plants, and waste disposal practices during the current monitoring period were discussed. To verify the information provided by the PP, various documents like commissioning certificates/14/, technical specifications/20/, Power Purchase Agreements/16/, Plant records, Energy Generation Record sheets, invoice/22/, calibration certificates/15/, employment records /28/, training records /29/, waste disposal records /36/ etc. were also assessed. The names of the people interviewed during the remote audit/11/ through video conferencing are mentioned below.

| No. | Interviewee | | | Date | Topics Covered | Team member |
|---|---|---|---|---|---|---|
| | Last name | First Name | Affiliation | | | |
| 1. | Patil | Shashikiran | Site Incharge, Renew Wind Energy (MP Four) Private Limited | 15/04/2025 | | Anurag Verma, and Austin Paul |
| 2. | Reddy | Malikarjun | Site Incharge, Renew Wind Energy (Karnataka 4) Private Limited | 15/04/2025 | | |
| 3. | M | Prashant Kumar | Site Incharge, Renew Wind Energy (Maharashtra) Private Limited | 15/04/2025 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4. | Anjan | Abhishek | Carbon Consultant, ReNew Solar Power Private Limited | 15/04/2025 | Operation and Maintenance of Facility, Monitoring Practices, Data collection, Logbooks, QA/QC procedures, calibration procedures and details, employment, Grievance Mechanism, major shutdown in plants, data recording and management, training imparted, waste disposal practices. | |
| 5. | P | Rajashekhar | Site Incharge, Renew Saur Urja Private Limited | 15/04/2025 | | |
| 6. | Samal | Binay | Site Incharge, Renew Wind Energy (TN2) Private Limited | 15/04/2025 | | |
| 7. | Bissa | Pritesh | Site Incharge, Abha Solarfarms Limited | 15/04/2025 | | |
| 8. | Bissa | Pritesh | Site Incharge, Heramba Renewbles Limited | 15/04/2025 | | |
| 9. | Bissa | Pritesh | Site Incharge, Shreyas Solarfarms Limited | 15/04/2025 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10. | Tirumal | Nadipalli | Site Incharge, ReNew Solar Energy (Telangana) Private Limited | 15/04/2025 | | |
| 11. | Reddy | Vangala Venkatesh | Site Incharge, Renew Mega Solar Power Private Limited | 15/04/2025 | | |
| 12. | Sharma | Shankey | Site Incharge, Renew Saur Shakti Private Limited-Mulkanoor | 15/04/2025 | | |
| 13. | G | Uliguppa | Site Incharge, Renew Saur Shakti Private Limited-Minpur | 15/04/2025 | | |
| 14. | M | Satyanarayana | Site Incharge, Renew Wind Energy (TN2) Private Limited | 15/04/2025 | | |

## 2.4 Site Visits

During the current verification a remote audit was conducted on 15/04/2025. This was deemed sufficient to confirm the plants operations and other aspects of the project operations. The approach was in accordance with para 4.1.2 of the VCS standard V4.7/07/ "The validation/verification body shall gather evidence to validate a project to determine conformance with the VCS Program rules and evaluate the reasonableness of assumptions, limitations, and methods that support a statement about the outcome of future activities." The representatives of the PA were interviewed through video call (via Zoom Call), details of which is included in section 2.3 of this report.

**VVB Sampling Approach:**

There is a total of 26 solar plant in different locations across India in the project activity. VVB has applied 90/20 confidence and precision to derive a minimum sample size of 11 samples. So, VVB takes a total of 13 samples with the 11 samples (minimum sample size) and 2 additional samples. The representatives of the 13 solar power plant selected have been interviewed by the verification team to confirm the implementation, operation and maintenance, monitoring procedure, grievance mechanism, calibration procedure and details, and trainings imparted.

To achieve a reasonable level of assurance, the assessment team has followed the alternative means to substantiate the verification criteria as discussed in the table below:

| Requirements | Means of verification/ source documents | Assessment opinion |
|---|---|---|
| Project implementation and operation | The project consists of capacity of 927 MW installed in the Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India to capture the solar power generated and converting into electricity, which is supplied to the Indian grid.<br><br>Supporting documents:<br><br>1. Commissioning certificate /14/<br><br>2. VCS Registered Joint PD and MR/01/<br><br>3. Technical specification /20/<br><br>4. Joint meter reading/12/<br><br>5. Energy invoices/22/<br><br>6. Calibration certificates/15/<br><br>7. Power Purchase Agreement/16/<br><br>8. Photographs of project site/19/<br><br>9. Remote Audit/11/ | The start date of the project activity has been verified through the commissioning certificate/14/ provided by the PP. This is also found to be following the registered Joint PD and MR/01/. The implementation of the project activity has been verified through Commissioning certificates/14/, calibration certificates of all meters/15/ and photographs and video of the project site/19/. PP were also interviewed during remote audit and the project sites were visited remotely/11/.<br><br>The continuous operation of the project activity has been verified through the JMRs/12/ issued by the state utilities and Energy invoices/22/ issued by the PP. The electricity generated are being sold to state discoms, 3rd party, NTPC Limited and SECI Limited, which has been verified through the invoices/22/ issued by the PP and same has been dictated in section 3.1 of MR. The source was found to be reliable and authentic.<br><br>The verification team can confirm that the project activity is not registered under any other GHG and non-GHG program. This has been confirmed through declaration provided by Project proponent and verified through independent research in relevant publicly available data for other registries |

| | | |
|---|---|---|
| | | like CDM, GCC, Gold Standard, i-REC and other international and domestic renewable energy schemes to achieve a higher level of assurance about the implementation of project activity.<br><br>Through all the information provided and based on the remote audit/11/ conducted it is evident that the project is implemented and is in operation as per registered Joint PD and MR/01/. |
| Monitoring systems and procedures | The approved reports from the validation and the project description could be one of the pieces of evidence for the compliance of the monitoring system. The JMRs/12/ and energy sales invoices/22/ can also act as supportive documents. The technical specification of the meter installed can be verified from the technical description/20/ and the calibration certificates/15/. | The frequency of monitoring of parameters listed under approved monitoring plan is verified through JMRs/12/ and the invoices/22/. The photographs of the monitoring equipment/19/ taken during the remote audit and later shared by the PP has been verified and found to be appropriate. The PP were interviewed about the monitoring system and procedures during the Remote audit/11/.<br><br>The documents were cross-checked by the VVB, and the implementation of the monitoring system and procedure has been verified. |
| Calibration frequency | Calibration certificates of each energy meter/15/<br><br>VCS registered joint PD and MR/01/ | Calibration frequency and energy meter specifications has been verified through calibration certificates/15/ and VCS joint PD and MR/01/ and was found consistent. There was no delay found in the calibration frequency. The serial number of the energy meters has also been verified from the photographs of the energy meters/19/, calibration |

| | | |
|---|---|---|
| | | certificates/15/ and through remote audit/11/ and found to be in line with the VCS MR/03/.<br><br>Responsibility of calibration and maintenance of the energy meters is done by the respective state bodies of the SPV's. |
| Data and calculations | Monthly JMRs issued by the state utility/12/<br><br>Energy sales invoices issued by the PP/22/<br><br>ER sheet/04/<br><br>VCS Registered joint PD and MR/01/ | Monthly values of the monitoring parameters used in the ER calculation are verified through Monthly JMRs/12/ and sales invoices/22/ and are found appropriate. The PP has taken the values reported in the JMR for the calculation of emission reductions, since JMRs is an official governmental document used to document the amount of electricity transferred to the grid, the approach has been assessed and found to be appropriate.<br><br>Methods, formulae and emission factor for calculating baseline emissions have been followed in accordance with the VCS joint PD and MR/01/ and applied methodology/08/. |

Based on the above assessment it can be concluded that the assessment team has verified sufficient data, to reduce audit risk to an acceptably low level as a requisite to achieve reasonable level of assurance for the current monitoring period.

## 2.5 Resolution of Findings

The objective of the step is to identify, discuss, and conclude on the issues related to the monitoring, implementation and operations of the registered project activity that could impair the capacity of the registered project activity to achieve emission reductions or influence the monitoring and reporting of emission reductions. This is done based on the desk review and interaction with the site personnel over a video conference. The verification team prepares and/or updates a verification protocol (internal document) that records the conformities and nonconformities, which may be of following types:

CAR (Corrective Action Request) is raised if one of the following occurs:

- Non-compliance with the monitoring plan, the applied methodology or the standardized baseline are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient.
- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants.
- Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions.
- Changes to the key sustainable development indicators.

Issues identified in a FAR during validation to be verified during verification or previous verification(s) have not been resolved by the project participants.

Clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable requirements have been met.

Forward Action Request (FAR) is raised during verification if the monitoring and reporting require attention and/or adjustment for the next verification period.

All CARs and CLs raised by Earthood during verification shall be resolved prior to submitting a request for issuance. All the findings that are raised and communicated to project participant during the verification are included under Appendix 4. The section also includes the responses by the project participants and an assessment by the verification team if it was closed out or otherwise.

The Objective of this verification phase was to resolve the requests for corrective actions, clarification and any other outstanding issues from verification which need to be assessed for Earthood's positive conclusion on the Monitoring report. The corrective action requests and clarification requests raised by the VVB (Earthood) were successfully resolved by the PP (Renew Solar Power Private Limited) to complete the verification process.

The total of 02 CLs, 02 CARs and 00 FARs were raised in the current verification. All the findings that are communicated to project participant during the verification are included under Appendix 4. The section also includes the response, if provided, by the project participants and an assessment by the verification team if it was closed out or otherwise. and successfully closed.

### 2.5.1 Forward Action Requests

This is the twelfth verification of the Project Activity, and no FAR was raised from validation/05/ or previous verification (10th)/17/.

## 2.6 Eligibility for Validation Activities

Since no validation was performed during the current verification hence this section is not applicable.

# 3 VALIDATION FINDINGS

## 3.1 Methodology Deviations

No methodology deviations were found for this monitoring period.

## 3.2 Project Description Deviations

No Project deviation has been sought during the current monitoring period i.e. 01/04/2024 to 31/01/2025 (including both days). However, PP has taken a project description deviation in one earlier monitoring period. “PP seeks deviation from the “Source of data” under monitoring parameters for one of the SPVs Renew Wind Energy (TN2) Private Limited, 50 MW plant at Pavagada. The source of data for the generation was Form-B and the same has been considered as the source of generation data till Jan-2020 as per the monitoring plan. However, from Jan-2020 onwards, REA statements are being issued. Hence, the generation data from Jan-2020 onwards has been taken from the REA statements. The change in source of data for the generation is as per the requirement of State electricity authority and PP has no control over the same. The verification team has checked both the sources of data before and after the deviation and confirms the deviation with respect to this plant. It is to be noted that, due to this deviation, there is no impact on the applicability of the methodology, additionality, or the appropriateness of the baseline scenario of the project activity.”

## 3.3 New Project Activity Instances in Grouped Projects

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

## 3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

# 4 VERIFICATION FINDINGS

## 4.1 Project Details

| Item | Evidence gathering activities, evidence checked, and assessment conclusion: | | | |
|---|---|---|---|---|
| Audit history | Audit type | Period | Validation/verification body name | Number of years |
| | **Joint Validation and Verification** | 13-February-2017 – 25-October-2018 | LGAI Technological Center, S.A. (Applus+ Certification) | 2 years 8 months |
| | **Verification** | 26-October-2018 – 24-December-2019 | Earthood Services Limited | 1 year 2 months |
| | **Verification** | 25-December-2019 – 25-May-2021 | TÜV SÜD South Asia Pvt. Ltd | 1 year 5 months |
| | **Verification** | 26-May-2021 – 31-December-2021 | LGAI Technological Center, S.A.(Applus+ Certification) | 7 months |
| | **Verification** | 01-January-2022 – 30-June-2022 | LGAI Technological Center, S.A.(Applus+ Certification) | 6 months |

| | | | |
|---|---|---|---|
| **Verification** | 01-July-2022 – 31-December-2022 | Earthood Services Limited | 6 months |
| **Verification** | 01-January-2023 – 31-March-2023 | Earthood Services Limited | 3 months |
| **Verification** | 01-April-2023 – 30-June-2023 | Earthood Services Limited | 3 months |
| **Verification** | 01-July-2023 – 30-September-2023 | Earthood Services Limited | 3 months |
| **Verification** | 01-October-2023 – 31-December-2023 | Earthood Services Limited | 3 months |
| **Verification** | 01-January-2024 – 31-March-2024 | Earthood Services Limited | 3 months |
| **Verification** | 01-April-2024 – 31-January-2025 | Earthood Services Limited | 10 months |

The audit history of the project activity has been verified from the verra project page/27/ and found to be appropriate.

| | |
|---|---|
| Double counting and participation under other GHG programs | The project is registered under VCS only (VCS ID 1851)/01/. It is confirmed from the declaration provided by the PP that the project is not registered under any other GHG Program/21/. VVB has checked the other GHG and non- GHG programs and verified that the PA has not been registered under any other GHG and non-GHG program. |

| | |
|---|---|
| No double claiming with emissions trading programs or binding emission limits | Project emissions reductions and removals or project activities are not included in any emissions trading program or binding emission limit. It is confirmed from the declaration/21/ provided by the project proponent "ReNew Solar Power Private Limited" that the net GHG emission reductions generated by the project activity will not be used for compliance with any other emissions trading program or to meet binding limits on GHG emissions for the same monitoring period. |
| No double claiming with other forms of environmental credit | Project activity has not sought, received, nor is planning to receive credit from another GHG-related environmental credit system and is confirmed from the declaration provided by the PP on no double counting/21/. |
| Supply chain (scope 3) emissions double claiming | The project activity is not affecting the emission footprint of any product(s) that are part of supply chain. |
| Sustainable development contributions | The project contributes to social, economic, and technological benefits which lead to the sustainable development of the local area and country. |
| Additional information relevant to the project | Not applicable. No commercially sensitive information has been excluded from the public version of the project description. There is no commercially sensitive information. |

## 4.2 Safeguards and Stakeholder Engagement

### 4.2.1 Stakeholder Identification

Since none of the stakeholders have been changed since validation and all the identified stakeholders were involved and no new group of stakeholders are to be included for this ongoing verification. Therefore, this section is not applicable.

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Stakeholder identification | Not Applicable |
| Legal or customary tenure/access rights | Not Applicable |

| | |
|---|---|
| Stakeholder diversity and changes over time | Not Applicable |
| Expected changes in well-being | Not Applicable |
| Location of stakeholders | Not Applicable |
| Location of resources | Not Applicable |

### 4.2.2 Stakeholder Consultation and Ongoing Communication

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Ongoing consultation | The Local stakeholder consultation has been conducted at the time of project registration. Same was confirmed by the PP during the interviews /11/, for on-going stakeholder communication. PP has maintained a feedback and grievance register/18/ at the site of the SPVs. Local stakeholders can lodge their grievances anytime in the register over the operational lifetime of the project activity.<br><br>During the current monitoring period, no grievances were received. Thus, the verification team is of the opinion that the ongoing stakeholder's mechanism is adequate and appropriate. |
| Date(s) of stakeholder consultation | There are different dates of stakeholder consultation for different project sites. The exact details of the local stakeholder consultations are provided in appendix 6 of this report. Additionally, it has been confirmed through the remote audit interviews/11/ that no other stakeholder meeting has been conducted by the PP after the initial meeting conducted at the project registration stage. PP has placed a grievance and feedback register at the plant site for registering ongoing grievances from the stakeholders. However, no grievances registered until the current monitoring period which has been confirmed from the grievance register/18/ checked by the VVB during remote audit/11/. Therefore, PP confirmed that as there were no grievances, and no other stakeholder meeting was conducted after the initial one. |

| | |
|---|---|
| Communication of monitored results | The monitoring results are communicated from the concerned individuals (stakeholders) to PP, through the grievance register. The site officials acknowledge and address the comments, suggestions, or grievances submitted by stakeholders, resolving issues as needed. VVB has checked the grievance register during the remote audit/11/. |
| Consultation records | Registers are used to record the grievances and feedback. Grievance register is placed at the site office and is accessible to everyone. |
| Stakeholder input | As part of its ongoing stakeholder engagement, the PP has maintained a grievance register onsite, allowing stakeholders to submit complaints, which are promptly addressed if found to be valid. However, during the current monitoring period, no comments or feedback were received. |

### 4.2.3 Free, Prior, and Informed Consent

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Consent | It has been confirmed through the interviews with the PP's representatives/11/ and grievance register/18/ that there is no conflict and grievances of the Indigenous peoples (IPs), Local communities (LCs) and NGOs. The continuous operation of the SPVs has been verified through the JMRs shared by the PP. Under the VCS program, continuous monitoring and evaluation has been conducted by the PP, which has been verified through the VCS Project Webpage/27/. |
| Outcome of FPIC discussion | The Free, Prior, and Informed Consent (FPIC) process for the project was successfully completed, resulting in positive outcomes. Transparent agreements were established with Indigenous Peoples (IPs), Local Communities (LCs), and NGOs. Project details, potential impacts, and benefits were clearly communicated, ensuring stakeholders' understanding. The project is fully compliant with ethical standards—no encroachment on existing land occurred, and there was no forced physical or economic displacement. The project utilized unused, greenfield land, and the absence of any relocation underscores the commitment to responsible and sustainable development practices. |

### 4.2.4 Grievance Redress Procedure

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Grievance received and steps taken to resolve the grievance including the outcomes of the resolution | PP is maintaining the grievance register at the plant sites where the stakeholders can share their experiences and grievances on a continuous basis. VVB has verified the grievance registers during the remote audit/11/ and no grievances found during the current monitoring period. |
| Grievance redress procedure | No grievances were received during the current monitoring period. However, in case of any grievances, the nature of probable resolution is discussed with the plant head office and implemented by the site in-charge which is confirmed by the VVB from the remote audit interviews/11/. |

### 4.2.5 Public Comments

No public comments were received after the public comment period. There was no negative feedback from any of the stakeholders who attended the meeting. They in fact supported the initiative taken by the project proponent for carrying out such an activity in the region. Hence, there is no need to take due account of the comments. And no comments were received from the stakeholders after the commissioning of project activity which has been verified by VVB from the grievance register/18/ during remote audit/11/.

| Comments received | Actions taken by the project proponent | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|---|
| N/A | N/A | N/A |

## 4.2.6 Risks to Local Stakeholders and the Environment

### 4.2.6.1 Management Experience

The project activity, developed and operated by Renew Solar Power Private Limited (PP) has a proven track record in managing similar projects in the host country, which has been verified from Verra and Gold Standard registry webpages /34/, /35/ and remote audit interviews /11/. Their team is experienced in working on renewable energy projects and is highly skilled in community engagement. The PP has worked on VCS projects such as VCS 1044 and VCS 1045, which has been verified from the Verra webpage/27/. PP partners with other organizations to fill expertise gaps in addition to recruitment strategies.

#### 4.2.6.2 Risk Assessment

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Natural and human induced risks to stakeholders' wellbeing | No natural or human-induced risks to stakeholders' wellbeing are anticipated due to the project since it produces clean energy from solar energy and displaces electricity from fossil fuel dominant grid. PP maintains grievance registers at the plant sites where the stakeholders can share their experiences and grievances on a continuous basis. VVB has verified the grievance registers/18/ during the remote audit/11/ and no grievances found during the current monitoring period. |
| Risks to stakeholder participation | No risk to stakeholder participation has been anticipated, since no communication barriers or any other form barriers exist between the PP and stakeholders. |
| Working conditions | No risks related to working conditions have been identified. Comprehensive safety training has been provided for the workers/employees. VVB has confirmed the same from the employees during the remote audit interviews/11/ and through the training attendance sheets/29/ provided by the PP. |
| Safety of women and girls | No risks related to the safety of women and girls have been identified. The safety concerns of the women and girls were addressed through the interactions with the stakeholders and resolved as verified from the MOM of stakeholder consultation/33/. In addition, the project follows the national laws concerning the safety of women and has HR Policies in force/32/. |
| Safety of minority and marginalized groups, including children | No threats to the safety of minority and marginalized groups, including children have been identified. The PP upholds the legal rights and human rights of children, minorities, and marginalized groups, ensuring that the project has no negative impact on them. |

| | |
|---|---|
| Pollutants (air, noise, discharges to water, generation and release of hazardous materials and chemical pesticides and fertilizers | No threats/ risks due to the generation of pollutants to air, noise or water is anticipated due to the project activity. The waste produced during maintenance works at each site are handled by the respective site team who ensures that no leakage of pollutants occur, which has been verified during the remote audit interviews /11/. The project enhances air quality by reducing fossil fuel combustion and helps mitigate climate change by generating electricity from a clean energy source—solar power. |

## 4.2.7 Respect for Human Rights and Equity

### 4.2.7.1 Labor and Work

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Discrimination | PP has confirmed that they will oblige to create a workplace free of discrimination as per local law. PP has adopted an Equal Opportunity & Anti-Discrimination Policy/30/ and HR Policy/32/ which is verified by the VVB and confirmed from the employees that the policy has been communicated to all the employees during the remote audit interviews/11/ Additionally, employees can also register any complaints regarding discrimination in the grievance register /18/placed at site office, which has been reviewed and no comments has been received regarding the same. Hence, it has been confirmed that proper measures have been taken by the PP to avoid discrimination in the project activity. |
| Sexual harassment | The PP has confirmed its commitment to maintaining a workplace free of sexual harassment, in accordance with local laws and HR policy/32/. Additionally, employees can report any complaints related to sexual harassment in the grievance register /18/ available at the site office, which has been reviewed with no comments received. Therefore, it has been confirmed that the PP has implemented appropriate measures to prevent sexual harassment within the project activity. |
| Gender equity in labor and work | PP has adopted an Equal Opportunity & Anti-Discrimination Policy/30/ and Gender Pay Parity Policy/31/, which has been communicated to all |

| | |
|---|---|
| | the employees. It has been confirmed that proper measures have been taken by the PP to ensure gender equality in the project activity. |
| Forced labor | Project activity does not and will not use victims of forced labor, which is confirmed by the PP during the interviews conducted/11/ on 15/04/2025 and adheres to the national laws regarding forced labor. |
| Child labor | Project activity does not and will not use victims of child labor, which is confirmed by the PP during the interviews conducted/11/ on 15/04/2025 and adheres to the national laws regarding child labor. |
| Human trafficking | Project activity does not and will not use victims of human trafficking, which is confirmed by the PP during the interviews conducted/11/ on 15/04/2025 and adheres to the national laws regarding human trafficking. |

#### 4.2.7.2 Human Rights

| Risks identified | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| No risk identified | PP has confirmed during the interviews/11/ conducted by the VVB that the project activity has obtained the FPIC from the local stakeholders including the IPs, LCs and customary right holders, ensuring their unforced consent before the project operation, respecting their right to make decisions. The project involved the installation of a solar PV power plant in different regions of India by safeguarding the rights of IPs, LCs, and customary rights holders to be free from discrimination which is confirmed by the employees during the interviews conducted/11/ by VVB on 15/04/2025.<br><br>VVB has checked the employment records/28/ and interviewed a few of the employees on 15/04/2025 during the remote audit/11/ and confirms that the project has obtained consent from the local stakeholders and providing employment to the IPs, LCs and customary right holders by providing them with the required training which is checked from the training records/29/. It has been confirmed through the interviews with the PP's representatives/11/ and grievance register/18/ that there is no conflict and grievances of the Indigenous peoples (IPs), Local communities (LCs) and NGOs. |

#### 4.2.7.3 Indigenous Peoples and Cultural Heritage

| Risks identified | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| No risk identified | The project activity does not impact the tangible or intangible cultural heritage or the indigenous people nearby. It has been confirmed through the remote site interviews/11/ that there is no cultural heritage site nearby and there are no conflicts with the indigenous peoples nearby the project site, as confirmed through the grievance register/18/. PP has confirmed during the interviews/11/ conducted by the VVB that the project activity has obtained the FPIC from the local stakeholders including the IPs, LCs and customary right holders, ensuring their unforced consent before the project operation, respecting their right to make decisions. |

#### 4.2.7.4 Property Rights

| Risks identified | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| No risks identified | It has been confirmed through the interviews/11/ with the PP's representatives that the land/property for the project activity belongs to the PP. Additionally, there is no grievance regarding the property rights in the grievance register/18/. It has been confirmed during the remote audit/11/ that there are no conflicts regarding the property rights of the project activity. |

#### 4.2.7.5 Benefit Sharing

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Summary of the benefit sharing plan | Since the land/property of the project belongs to the PP, there is no benefit sharing. |
| Benefit sharing during the monitoring period | N/A |

### 4.2.8 Ecosystem Health

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Impacts on biodiversity and ecosystems | No threats/ risks due to biodiversity and ecosystems due to the project activity are anticipated. The project enhances air quality by reducing fossil fuel combustion and helps mitigate climate change by generating electricity from a clean energy source—solar power. |
| Soil degradation and soil erosion | No threats/ risks due to soil health due to the project activity are anticipated. The project activity keeps check of the soil degradation and soil erosion by periodic monitoring which has been confirmed through the interviews/11/ with the PP's representatives and no grievance regarding the issue is found in the grievance register/18/. |
| Water consumption and stress | The project employs water-efficient technology to minimize water wastage. Some sites utilize robotic cleaning systems that optimize water usage, while sites without robotic systems implement low-flow cleaning methods, such as misters or brushes with minimal rinsing, to further reduce water waste. This has been confirmed through the interviews/11/ with the PP's representatives and no grievance regarding the issue is found in the grievance register/18/. |

#### 4.2.8.1 Rare, Threatened, and Endangered species

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Species or habitat | The project activity has not adversely impacted habitats for rare, threatened, or endangered species during the monitoring period. |
| Areas needed for habitat connectivity | The project activity has not adversely impacted areas needed for habitat connectivity during the monitoring period. |

| Item | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| **Habitats for rare, threatened, and endangered species** | No threat/risks to the habitats of rare, threatened and endangered species are anticipated in the monitoring period. |

| | |
|---|---|
| Areas for habitat connectivity | No threat/risks to the habitats of rare, threatened and endangered species are anticipated in the monitoring period. |

#### 4.2.8.2 Introduction of Species

| Species introduced | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| N/A | N/A |

| Existing invasive species | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| N/A | N/A |

| | Evidence gathering activities, evidence checked, and assessment conclusion |
|---|---|
| Invasive species | N/A |

#### 4.2.8.3 Ecosystem conversion

Since the project activity is neither ARR, ALM, WRC nor ACoGS, hence this information is not applicable.

| Item | Evidence gathering activities and evidence checked |
|---|---|
| Ecosystem conversion | N/A |

## 4.3 Accuracy of Reduction and Removal Calculations

The project monitoring has been carried out in accordance with the registered VCS joint PD and MR/01/ and the monitoring report/02/. The monitoring plan laid on the registered VCS joint PD and MR/01/ was being followed at the site. The verification team has assessed the information flow (from data generation, aggregation, to recording, calculation and reporting for these including the values) in the MR/03/ as per VCS standard/07/. The joint meter reading is taken by the representative of the DISCOM in the presence of the PP in the form of JMRs/12/ issued by the respective state utilities of all the SPVs and the monthly invoices/22/ are being issued by the PP provides the value of parameters that is used directly for the emission reduction calculations. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official governmental document used to document the amount of electricity transferred to the grid. The approach has been assessed and found to be appropriate.

The calculation of the emission reduction is found to be correct. The details of the reported and the verified values for all the parameters are mentioned in section 4.5 of this report. The formulae and method used to calculate the baseline emissions, project emissions and leakage emissions are appropriate and in line with the approved methodology ACM0002/08/.

The parameters are directly sourced from monthly JMRs/12/ issued by the DISCOM and the electricity invoices/22/ issued by the PP. The PP has provided complete set of data for all the monitored parameters in the ER Sheet/04/. This data has been verified as described in section 4.4 of this report. The formulae and method used to calculate the baseline emissions, project emissions and leakage emissions are appropriate and in line with the approved methodology ACM0002/08/.

The ex-ante parameters have been calculated at validation stage and remains fixed throughout the crediting period, in accordance with the tool to calculate emission factor for an electricity system/10/ and are in-line with reported value in registered VCS joint PD and MR/01/.

As per ER sheet/04/ submitted by the PP, the net GHG emission reductions achieved during the current verification period which is also the twelfth verification of the project activity i.e. 01/04/2024 to 31/01/2025, which were verified to be as 1,331,672 $tCO_2e$.

The calculation method and formulae used for calculating the baseline emission, project emission and leakage emission are found to be following the applied methodology ACM0002 v19.0/08/. The findings raised during the verification process were satisfactorily resolved, the details of which can be found in appendix 4.

## 4.4 Quality of Evidence to Determine Reductions and Removals

The ER's generated for the project activity is based on the electricity generation from the solar power plants. The PP has shared all the relevant evidence to substantiate the data related to the monitored parameter. The list of all the documents that were reviewed for the current verification has been listed down in appendix 2 of this report. The values of the parameter, electricity imported and exported has been checked by the verification team through the monthly JMRs/12/ and electricity invoices/22/ to verify the values reported in the ER Sheet/04/ and were found to be appropriate. Since the monthly JMRs are prepared and issued by the DISCOM, they are found to be an authentic and reliable source and the monthly invoices/22/ are being issued by the PP to state discoms, 3rd party, NTPC Limited and SECI Limited. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official governmental document used to document the amount of electricity transferred to the grid. The approach is conservative after assessment and was found to be appropriate.

The monitoring of the project activity is found to be in accordance with the monitoring plan set out in the VCS joint PD and MR/01/ and the approved methodology ACM0002/08/. The verification of ex-ante and monitored parameter has been discussed below:

1. Assessment of Data and Parameter

The assessment of ex-ante parameter has been carried out as per the method described in the table below.

| Ex-ante parameter | Assessment |
|---|---|
| $EF_{grid,OM,y}$, Operating Margin $CO_2$ emission factor in year y ($tCO_2e/MWh$) | PP has applied the value of 0.9726 $tCO_2e/MWh$, which had been sourced from $CO_2$ baseline database (Version 13) published by CEA in October 2018/13/ and the CEA database also utilizes the calculation method used in "Tool to calculate emission factor for an electricity system v7.0"/10/. It's an ex-ante value fixed at the time of validation. The value mentioned in the MR/03/ is found to be consistent with the VCS joint PD and MR/01/. |
| $EF_{grid,BM,y}$, Build Margin $CO_2$ emission factor in year y ($tCO_2e/MWh$) | PP has applied the value of 0.8723 $tCO_2e/MWh$, which had been sourced from CO2 baseline database (Version 13) published by CEA in October 2018/13/ and the CEA database also utilizes the the calculation method used in "Tool to calculate emission factor for an electricity system |

| | |
|---|---|
| | v7.0"/10/. It's an ex-ante value fixed at the time of validation. The value mentioned in the MR/03/ is found to be consistent with the VCS joint PD and MR/01/. |
| $EF_{grid,CM,y}$, Combined Margin $CO_2$ emission factor in year y ($tCO_2/MWh$) | PP has applied the value of 0.9475 $tCO_2/MWh$, which is line with the calculation method used in "Tool to calculate emission factor for an electricity system"/10/. It's an ex-ante value fixed at the time of validation. The value mentioned in the MR/3/ is found to be consistent with the VCS joint PD and MR /01/. |

The ex-ante parameters monitored in the MR are cross-checked with the registered VCS joint PD and MR/01/ and are found to be consistent.

The assessment of monitored parameter has been caried out as per the method described in below table:

**For Karnataka Sites**

<table>
<tr><td>Parameter</td><td colspan="2">$EG_{PJ, y,KA,,}$ Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh</td></tr>
<tr><td rowspan="4">Means of verification</td><td>Criteria/Requirements</td><td>Assessment/Observation</td></tr>
<tr><td>Measuring /Reading /Recording frequency</td><td>Continuous measuring, monthly recording</td></tr>
<tr><td>Is Measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)</td><td>Yes, the measuring and reporting frequency is in line with the monitoring plan as set out in VCS joint PD and MR/01/ and monitoring methodology/08/.</td></tr>
<tr><td>Monitoring equipment</td><td>The energy meters are of accuracy class 0.2s/15/ and make L & T. The serial Nos. of the energy meters for Karnataka site:
<table>
<tr><th>Location</th><th>Meter Serial No.</th></tr>
<tr><td>Devadurga</td><td>Main meter-15197833 and Check meter-15197834 (old meters),</td></tr>
</table></td></tr>
</table>

| | | | | | |
|---|---|---|---|---|---|
| | | | | Main meter-21005057 and Check meter-21005109 (new meters) | |
| | | | Chincholi | Main meter-16083161 and Check meter-16083118 | |
| | | | Siriguppa | Main meter-16113386 and Check meter-16113401 (old meters),<br>Main meter 20003009 and Check meter-20003005 (new meters) | |
| | | | Bhalki | Main meter-16113413 and Check meter-16113221 (old meters),<br>Main meter-21005034 and Check meter 21005051 (new meters) | |
| | | | Alland | Main meter-16193095, and Check meter-13192165 (Old meters),<br>Main meter-22003301 and Check meter-22005536 (new meters) | |
| | | | Humnabad | Main meter-16083139 and Check meter-16083133 | |
| | | | Eklara | Main meter-17069178 and Check meter-17069183 (old meters), | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Main meter-21004949 and Check meter-21004979 (new meters) | |
| | | | Nirna | Main meter-17166928 and Check meter-17066940 (old meters),<br>Main meter-21005004 and Check meter-21005028 (new meters) | |
| | | | Wadagere | Main meter-17125589 and 17125590 | |
| | | | Turuvekere | Main meter-16112918 and Check meter-16112913 (old meters),<br>Main meter-20009661 and Check meter-20009673 (new meters) | |
| | | | Yadgir | Main meter-16113430 and Check meter-16113436 (old meters),<br>Main meter-21004938 and Check meter-21004929 (new meters) | |
| | | | Honnali | Main meter-16112933, Check meter-16112921 (old meters),<br>Main meter-21005015 and Check meter-21005085 (new meters) | |

| | | |
|---|---|---|
| | | <table><tr><td>Raichur</td><td>Main meter-17117926 and Check meter-17117928</td></tr><tr><td>Pavagada</td><td>Main meter-16195517 and Check meter-16195508 (old meters),<br>Main meter- LT-0834-A and<br>Check meter- LT-0795-A (new meters)</td></tr></table><br>All the energy meters used are of same accuracy level and same make. There is no delay in calibration of meters for all the sites which was checked with the calibration certificates/15/ in the current monitoring period. Hence, it is found to be appropriate. Some of the energy meters had been replaced with the new meters details of which has been provided in Appendix 2 of the MR and section 4.4 of this report, all the meters had been replaced with the new meters in the 9th monitoring period, which has been reviewed through the meter replacement reports/15/. |
| | Is accuracy of the monitoring equipment as stated in the monitoring plan?<br>If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification? | Yes, the accuracy of the monitoring equipment is 0.2s, which is in accordance with the monitoring plan/01/. This has been verified from the calibration certificates/15/ provided by the PP. |
| | Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges? | Yes, the accuracy is valid for entire measuring range. The calibration certificates clearly shows that the accuracy |

| | | |
|---|---|---|
| | | level is valid for entire monitoring period/15/. |
| | Calibration frequency /interval: | As per the VCS joint PD and MR/01/, the frequency of calibration is once in five years which is in line with the details provided in the MR/03/. The calibration frequency was found to be in line with the conditions set out in the VCS joint PD and MR/01/.<br><br>During the current monitoring period, calibration was performed as per the details provided in PD as checked with the calibration certificates.<br><br>The calibration certificate/15/ of each of the calibration dates has been checked and the meter is found to be within the stated error range. The calibration details of the energy meters have been stated in Appendix 6 of this report. |
| | Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications? | The calibration interval of all the SPVs is found to be in line with the frequency set out by the PP in the monitoring plan/01/. Hence, it is found to be appropriate. |
| | Is the calibration of measuring equipment carried out by an accredited person or institution? | The calibration is carried out by the respective state utilities. This has been verified from the PPA/16/ and calibration certificates/15/ shared by the PP. |
| | How were the values in the monitoring report verified? | The cumulative values of the parameter for the entire monitoring period are reported in the MR/03/ as 525,914 MWh and the monthly values are reported in the ER calculation sheet/04/. This value is checked from the monthly JMRs/12/ and energy invoices/22/ shared by the PP. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official |

| | | |
|---|---|---|
| | | governmental document used to document the amount of electricity transferred to the grid. The approach has been assessed and found to be appropriate. |
| | If applicable, has the reported data been cross-checked with over available data? | NA |
| | Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes, the adequate QA/AC procedures were implemented by the PP. The joint meter reading is taken by the state utility in the presence of the PP in the form of JMRs.<br><br>Monthly JMRs issued by state utility provide the value of parameter that is directly used for emission reduction calculations. |
| **Findings** | No findings were raised. | |
| **Conclusion** | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/01/ (as per measurement methods and procedures to be applied) and applied methodology/08/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. | |

**For Gujarat Site**

| | | |
|---|---|---|
| **Parameter** | $EG_{PJ,y,GJ,,}$ Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh | |
| **Means of verification** | **Criteria/Requirements** | **Assessment/Observation** |
| | Measuring /Reading /Recording frequency | Continuous measuring, monthly recording |
| | Is Measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No) | Yes, the measuring and reporting frequency is in line with the monitoring plan as set out in VCS joint PD and MR/01/ and monitoring methodology/08/. |
| | Monitoring equipment | For Gujarat site: |

| | | |
|---|---|---|
| | | At Charanka, the energy meter is of accuracy class 0.2s and make Secure, the serial no. of the energy meters are GJ3713A (Main meter), GJ3714A (Check meter) and GJ3880A (Standby meter).<br><br>All the energy meter used are of same accuracy level and same make. The same has been verified from the remote audit /11/, photographs of energy meter/19/ and calibration certificates/15/ shared by the PP. |
| | Is accuracy of the monitoring equipment as stated in the monitoring plan?<br><br>If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification? | Yes, the accuracy of the monitoring equipment is 0.2s, which is in accordance with the monitoring plan/01/. This has been verified from the calibration certificates/15/ provided by the PP. |
| | Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges? | Yes, the accuracy is valid for entire measuring range. The calibration certificates clearly shows that the accuracy level is valid for entire monitoring period/15/. |
| | Calibration frequency /interval: | As per the VCS joint PD and MR/01/, the calibration frequency is once in five years which is in line with the details provided in the MR/03/. The calibration frequency was found to be in line with the conditions set out in the VCS joint PD and MR/01/.<br><br>During the current monitoring period, calibration was performed as per the details provided in PD as checked with the calibration certificates.<br><br>The calibration certificate/15/ of each of the calibration dates has been checked and the meter is found to be within the stated error range. The calibration details of the |

| | | |
|---|---|---|
| | | energy meters have been stated in section Appendix 6 of this report. |
| | Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications? | Yes, the calibration interval is found in line with the frequency set out by the PP in the monitoring plan/01/. |
| | Is the calibration of measuring equipment carried out by an accredited person or institution? | The calibration is carried out by the respective state utilities. This has been verified from the PPA/16/ and calibration certificates/15/ shared by the PP. |
| | How were the values in the monitoring report verified? | The cumulative values of the parameter for the entire monitoring period are reported in the MR/03/ and ER calculation sheet/04/ which is 65,074.21 MWh, and the monthly values are reported in the ER calculation sheet/04/. This value is checked from the monthly JMRs/12/ and energy invoices/22/ shared by the PP. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official governmental document used to document the amount of electricity transferred to the grid. Hence, the approach has been assessed and found to be appropriate. |
| | If applicable, has the reported data been cross-checked with over available data? | NA |
| | Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes, the adequate QA/AC procedures were implemented by the PP. The joint meter reading is taken by the state utility in the presence of the PP in the form of JMRs.<br><br>Monthly JMRs issued by state utility provide the value of parameter that is directly used for emission reduction calculations. |
| **Findings** | No findings were raised. | |

| | |
|---|---|
| Conclusion | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/01/ (as per measurement methods and procedures to be applied) and applied methodology/08/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. |

**For Madhya Pradesh Site**

| | | |
|---|---|---|
| Parameter | $EG_{PJ, y,MP,,}$ Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh | |
| Means of verification | Criteria/Requirements | Assessment/Observation |
| | Measuring /Reading /Recording frequency | Continuous measuring, monthly recording |
| | Is Measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No) | Yes, the measuring and reporting frequency is in line with the monitoring plan as set out in VCS joint PD and MR /01/ and monitoring methodology/08/. |
| | Monitoring equipment | For Madhya Pradesh site:<br>At Ashok Nagar, the energy meter is of 0.2s accuracy class and make Secure, the serial no. of the energy meters was Main meter- XE518730 and Check meter- XE518731 (old meters), Main meter- Q0715876 and Check meter- Q0715877 (New meters). The meters (XE518730 and XE518731) had been replaced with the new energy meters (Q0715876 and Q0715877) on 01/03/2023, which has been verified through the meter replacement report/15/.<br><br>All the energy meter used are of same accuracy level and same make. It was verified by the assessment team from the photographs of energy meter/19/ and calibration certificates/15/ shared by the PP. |

| | | | |
|---|---|---|---|
| | Is accuracy of the monitoring equipment as stated in the monitoring plan?<br><br>If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification? | Yes, the accuracy of the monitoring equipment is 0.2s, which is in accordance with the monitoring plan/01/. This has been verified from the calibration certificates/15/ provided by the PP. | |
| | Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges? | Yes, the accuracy is valid for entire measuring range. The calibration certificates clearly shows that the accuracy level is valid for entire monitoring period/15/. | |
| | Calibration frequency /interval: | As per the VCS joint PD and MR/01/, the frequency of calibration is once in five years which is in line with the details provided in the MR/03/. The calibration frequency was found to be in line with the conditions set out in the VCS joint PD and MR/01/.<br><br>During the current monitoring period, calibration was performed as per the details provided in PD as checked with the calibration certificates.<br><br>The calibration certificate/15/ of each of the calibration dates has been checked and the meter is found to be within the stated error range. The calibration details of the energy meters have been stated in Appendix 6 of this report. | |
| | Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the | Yes, the calibration interval is found in line with the frequency set out by the PP in the monitoring plan/01/. | |

| | | | |
|---|---|---|---|
| | local/national standards, or as per the manufacturer's specifications? | | |
| | Is the calibration of measuring equipment carried out by an accredited person or institution? | The calibration is carried out by the respective state utilities. This has been verified from the PPA/16/ and calibration certificates/15/ shared by the PP. | |
| | How were the values in the monitoring report verified? | The cumulative values of parameter for the entire monitoring period are reported in the MR/03/ and ER calculation sheet/04/ which is 74,780.59 MWh, and the monthly values are reported in the ER calculation sheet/04/. This value is checked from the monthly JMRs/12/ and energy invoices/22/ shared by the PP. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official governmental document used to document the amount of electricity transferred to the grid. The approach has been assessed and found to be appropriate. | |
| | If applicable, has the reported data been cross-checked with over available data? | NA | |
| | Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes, the adequate QA/AC procedures were implemented by the PP. The joint meter reading is taken by the state utility in the presence of the PP in the form of JMRs.<br><br>Monthly JMRs issued by state utility provide the value of parameter that is directly used for emission reduction calculations. | |
| **Findings** | CAR#01 was raised and resolved successfully. | | |

| | |
|---|---|
| Conclusion | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/01/ (as per measurement methods and procedures to be applied) and applied methodology/08/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. |

**For Rajasthan Site**

| | |
|---|---|
| Parameter | $EG_{PJ, y,RJ}$, Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh |
| Means of verification | |

| Criteria/Requirements | Assessment/Observation |
|---|---|
| Measuring /Reading /Recording frequency | Continuous measuring, monthly recording |
| Is Measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No) | Yes, the measuring and reporting frequency is in line with the monitoring plan as set out in VCS joint PD and MR /01/ and monitoring methodology/08/. |
| Monitoring equipment | For Rajasthan site: |

| Location | Meter Serial No. |
|---|---|
| Aalok (Bap) | Main meter- 17075514 and Check meter- 17075515 |
| Abha (Bap) | Main meter- 17075486 and Check meter- 17075488 |
| Heramba (Bap) | Main meter (project I)- 17075537, Check meter (project I)- 17075539,<br>Main meter (Project II)- 17075547 and Check meter (Project II)17075548 |
| Shreyas (Bap) | Main meter (project I)- 17075525, Check meter (project I)- 17075526, Main meter (project II)- 17075530 and Check meter (project II)- 17075531 |

| | | | |
|---|---|---|---|
| | | All the energy meter used are of same accuracy level and same make. The same has been verified from the photographs of energy meter/19/ and calibration certificates shared by the PP. | |
| | Is accuracy of the monitoring equipment as stated in the monitoring plan?<br><br>If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification? | Yes, the accuracy of the monitoring equipment is 0.2s, which is in accordance with the monitoring plan/01/. This has been verified from the calibration certificates/15/ provided by the PP. | |
| | Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges? | Yes, the accuracy is valid for entire measuring range. The calibration certificates clearly shows that the accuracy level is valid for entire monitoring period/15/. | |
| | Calibration frequency /interval: | As per the VCS joint PD and MR/01/, the calibration frequency is once in five years which is in line with the details provided in the MR/03/. The calibration frequency was found to be in line with the conditions set out in the VCS joint PD and MR/01/.<br><br>During the current monitoring period, calibration was performed as per the details provided in PD as checked with the calibration certificates.<br><br>The calibration certificate/15/ of each of the calibration dates has been checked and the meter is found to be within the stated error range. The calibration details of the energy meters have been stated in Appendix 6 of this report. | |

| | | | |
|---|---|---|---|
| | Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications? | Yes, the calibration interval is found in line with the frequency set out by the PP in the monitoring plan/01/. | |
| | Is the calibration of measuring equipment carried out by an accredited person or institution? | The calibration is carried out by the respective state utilities. This has been verified from the PPA/16/ and calibration certificates/15/ shared by the PP. | |
| | How were the values in the monitoring report verified? | The cumulative values of the parameter for the entire monitoring period are reported in the MR/03/ and ER calculation sheet/04/ which is 91,531.81 MWh, and the monthly values are reported in the ER calculation sheet/4/. This value is checked from the monthly JMRs/12/ and energy invoices/22/ shared by the PP. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is official governmental document used to document the amount of electricity transferred to the grid. The approach has been assessed and found to be appropriate. | |
| | If applicable, has the reported data been cross-checked with over available data? | NA | |
| | Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes, the adequate QA/AC procedures were implemented by the PP. The joint meter reading is taken by the state utility in the presence of the PP in the form of JMRs.<br><br>Monthly JMRs issued by state utility provide the value of parameter that is directly used for emission reduction calculations. | |

| | |
|---|---|
| **Findings** | CAR#01 was raised and resolved successfully. |
| **Conclusion** | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/01/ (as per measurement methods and procedures to be applied) and applied methodology/08/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. |

**For Telangana Site**

| | |
|---|---|
| **Parameter** | $EG_{PJ,y,TL}$, Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh |
| **Means of verification** | |

| Criteria/Requirements | Assessment/Observation |
|---|---|
| Measuring /Reading /Recording frequency | Continuous measuring, monthly recording |
| Is Measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No) | Yes, the measuring and reporting frequency is in line with the monitoring plan as set out in VCS joint PD and MR /01/ and monitoring methodology/08/. |
| Monitoring equipment | For Telangana site: |

| Location | Meter Serial No. |
|---|---|
| Dichipally | Main meter- APX01166, Check meter- APX01167 and Standby meter- APX01168 |
| Mandamarri | Main meter- APX01147, Check meter- APX01148 and Standby meter- APX01149 |
| Mulkanoor | Main meter- 16196362, Check meter- 16196398 and Standby meter- 16196385 |
| Minpur | Main meter- 16196322, Check meter- 16196377 |

| | | |
|---|---|---|
| | | and Stand by meter- 16196411 |
| | | Mahbubnagar: Main meter- APZ00378, Check meter- APZ00379 and Standby meter-APZ00380 |
| | | Wanaparthy: Main meter- XD551233, Check meter- XD551234 and Standby meter- XD551235 |
| | | All the energy meter used are of same accuracy level and same make. There was no delay in calibration of the meters. The same has been verified from the photographs of energy meter/19/ and calibration certificates/15/ shared by the PP. |
| | Is accuracy of the monitoring equipment as stated in the monitoring plan?<br>If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification? | Yes, the accuracy of the monitoring equipment is 0.2s, which is in accordance with the monitoring plan/01/. This has been verified from the calibration certificates/15/ provided by the PP. |
| | Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges? | Yes, the accuracy is valid for entire measuring range. The calibration certificates clearly shows that the accuracy level is valid for entire monitoring period/15/. |
| | Calibration frequency /interval: | As per the VCS joint PD and MR/01/, the frequency of calibration is once in five years which is in line with the details provided in the MR/03/. The calibration frequency was found to be in line with the conditions set out in the VCS joint PD and MR/01/. |

| | | | |
|---|---|---|---|
| | | During the current monitoring period, calibration was performed as per the details provided in PD as checked with the calibration certificates.<br><br>The calibration certificate/15/ of each of the calibration dates has been checked and the meter is found to be within the stated error range. The calibration details of the energy meters have been stated in Appendix 6 of this report. | |
| | Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications? | Yes, the calibration interval is found in line with the frequency set out by the PP in the monitoring plan/01/. | |
| | Is the calibration of measuring equipment carried out by an accredited person or institution? | The calibration is carried out by the respective state utilities. This has been verified from the PPA/16/ and calibration certificates/15/ shared by the PP. | |
| | How were the values in the monitoring report verified? | The cumulative values of parameter for the entire monitoring period are reported in the MR/03/ and ER calculation sheet/04/ which is 649,981.03 MWh, and the monthly values are reported in the ER calculation sheet/04/. This value is checked from the monthly JMRs/12/ and energy invoices/22/ shared by the PP. The PP has taken the values reported in the JMR for the calculation of emission reductions since JMRs is an official governmental document used to document the amount of electricity transferred to the grid. The | |

| | | | |
|---|---|---|---|
| | | approach has been assessed and found to be appropriate. | |
| | If applicable, has the reported data been cross-checked with over available data? | NA | |
| | Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes, the adequate QA/AC procedures were implemented by the PP. The joint meter reading is taken by the state utility in the presence of the PP in the form of JMRs.<br><br>Monthly JMRs issued by state utility provide the value of parameter that is directly used for emission reduction calculations. | |
| **Findings** | CL#01 and CAR#01 was raised and successfully resolved. | | |
| **Conclusion** | The parameter has been monitored appropriately, in accordance with the registered monitoring plan/01/ (as per measurement methods and procedures to be applied) and applied methodology/08/. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. | | |

**2. Assessment of Data and calculation of GHG emissions or net removal**

a) Calculation of Baseline Emissions

In accordance with the applied methodology ACM0002 v19.0/08/, the baseline emissions are $CO_2$ emissions from the electricity generation from the fossil fuel fired power plant that are displaced due to the project activity.

The baseline emissions are calculated as follows:

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

Where,

$BE_y$ = Baseline emissions in year y ($tCO_2e$)

$EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/year)

$EF_{grid,CM,y}$ = Combined margin $CO_2$ emission factor 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"/10/ ($tCO_2/MWh$)

As per the paragraph 45, the calculation of $EG_{PJ,y}$ is different for Greenfield plants, capacity additions, retrofits, rehabilitations, and replacements. Since the proposed project activity is Greenfield plant, hence as per the paragraph 44 of ACM0002, Version 19.0/08/.

$EG_{PJ,y} = EG_{facility,y}$

Where,

$EG_{PJ,y}$ = Quantity of net electricity generated that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)

$EG_{facility,y}$ = Quantity of net electricity generated that is supplied by the project plant/unit to the grid in year y (MWh/yr)

a) Calculation of Project emissions

As per the paragraph 36 of the applied methodology, for most renewable power generation project activities, $PE_y = 0$. Since the project activity is a solar energy-based power generation, the project emissions are not applicable to the project activity.

Hence, $PE_y = 0$

b) Calculation of Leakage emissions

As per the section 5.6 of the applied methodology/08/, no leakage emissions are considered. The main emissions potentially giving rise to leakage in the context of projects in power sector are emissions arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g., extraction, processing, and transport). These emissions sources are neglected.

Therefore, $LE_y = 0$.

c) Calculation of net emissions reduction or removal

The emission reduction as per the applied methodology/08/ equals the baseline emissions (project emissions and leakage emissions for such project activities is considered zero). The formula provided for the calculation of baseline emissions is:

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

$BE_y = 1{,}407{,}281.64 * 0.9475$

$BE_y = 1{,}331{,}672\ tCO_2e$ (Rounded down value)

As per the applied methodology/08/, emission reduction are calculated as:

$ER_y = BE_y - PE_y$

$ER_y = 1{,}331{,}672 - 0$

$ER_y = 1{,}331{,}672\ tCO_2e$

The total emission reduction during the current monitoring period – 01/04/2024 to 31/01/2025 (including both days) is 1,331,672 $tCO_2e$.

The verification team confirms that the appropriate methods and formulae for calculating GHG emission have been followed. The assumptions, emission factor and default values that were applied in the calculations are justified. The actual emission reductions achieved during the current monitoring period are more than the estimated emission reductions as described in the registered VCS joint PD and MR /01/.

All the data were made available and have been monitored as per the required monitoring frequency/01/.

## 4.5 Non-Permanence Risk Analysis

Not Applicable

# 5 VERIFICATION OPINION

## 5.1 Verification Summary

Earthood Services Limited (Earthood, formerly known as Earthood Services Private Limited), has performed the independent verification of the emission reduction for the VCS project actively (VCS-1851) "Renewable Solar Power Project by ReNew Solar Power Private Limited" for the monitoring period 01/04/2024 to 31/01/2025 (including both days) as reported in the monitoring report version 3.0 dated 17/04/2025/04/. PP is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emission reduction from the project activity.

Earthood commenced the verification based on the baseline and monitoring methodology ACM0002, version 19.0/08/, the monitoring plan contained in the VCS Joint PD and MR/01/, the VCS standard version 4.7/07/ and ISO 14064-3:2019. The verification approach of the verification team is based on the understanding of the risk associated with reporting of GHG emission data and the controls in place to mitigate these.

Earthood planned and performed the verification by obtaining evidence and other information and explanations that Earthood considered necessary to give reasonable assurance that reported GHG emission reduction are fairly stated.

## 5.2 Verification Conclusion

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

**Verification period:** From 01-April-2024 to 31-January-2025

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

| Vintage period | Baseline emissions ($tCO_2e$) | Project emissions ($tCO_2e$) | Leakage emissions ($tCO_2e$) | Reduction VCUs ($tCO_2e$) | Removal VCUs ($tCO_2e$) | Total VCUs ($tCO_2e$) |
|---|---|---|---|---|---|---|
| 01-April-2024 to 31-December-2024 | 1,182,942 | 0 | 0 | 1,182,942 | 0 | 1,182,942 |
| 01-January-2025 to 31-January-2025 | 148,730 | 0 | 0 | 148,730 | 0 | 148,730 |
| **Total** | 1,331,672 | 0 | 0 | 1,331,672 | | 1,331,672 |

## 5.3 Ex-ante vs Ex-post ERR Comparison

The estimated GHG emission reductions for this monitoring period are 1,481,610 $tCO_2e$ and the achieved reductions are 1,331,672 $tCO_2e$. The difference between the Ex-ante emission reductions/removals and the achieved emission reductions has been calculated in the ER calculation sheet/04/ as a decrease of 10.12%. The justification for the decrease in achieved emission reductions has been mentioned in the table below:

| Vintage period | Ex-ante estimated reductions/ removals | Achieved reductions/ removals | Percent difference | Explanation for the difference |
|---|---|---|---|---|
| 01-April-2024 to 31- | 1,331,513 | 1,182,942 | -11.16% | The generation of electricity depends upon many climatic |

| | | | | |
|---|---|---|---|---|
| December-2024 | | | | conditions, which are not within the control of the project participant. The lower generation in both vintage periods during the current verification period is due to the effect of seasonal changes on solar radiation which is found to be acceptable. |
| 01-January-2025 to 31-January-2025 | 150,097 | 148,730 | -0.92% | |
| **Total** | **1,481,610** | **1,331,672** | **-10.12%** | |

**Approved by**

**Dr. Kaviraj Singh**

**CEO** **Date: 18-04-2025**

**Earthood Services Limited** **Place: Gurugram, Haryana**

# APPENDIX 1: ABBREVIATIONS

| Abbreviations | Full texts |
|---|---|
| ABT | Availability Based Tariff |
| BEF | Baseline Emission Factor |
| BM | Build Margin |
| CAR | Corrective Action Request |
| CEA | Central Electricity Authority |
| CERC | Central Electricity Regulatory Commission |
| CL | Clarification Request |
| CMS | Central Monitoring System |
| CMP | Conference of Parties Serving as Meeting of Parties |
| $CO_2$ | Carbon dioxide |
| DISCOM | Distribution Company |
| EB | Executive Board |
| EPC | Engineering, Procurement and Construction |
| FAR | Forward Action Request |
| GHG | Green House Gas |
| ISO | International Standards Organization |
| JMR | Joint Meter Reading |
| kW | Kilowatt |
| kWh | Kilowatt hour |
| MFR | Multi-Function Relay |
| MR | Monitoring Report |
| MW | Megawatt |

| | |
|---|---|
| MWh | Megawatt-hour |
| NTPC | National Thermal Power Corporation Limited |
| O&M | Operation and Maintenance |
| PD | Project Description |
| PLF | Plant Load Factor |
| PP | Project Proponent |
| PPA | Power Purchase Agreement |
| QA/QC | Quality Assurance and Quality Control |
| TOD | Time of the Day |
| UNFCCC | United Nations Framework Convention on Climate Change |
| SECI | Solar Energy Corporation of India Limited |
| SPV | Solar Photo Voltaic |
| VCS | Verified Carbon Standard |
| VCSA | Verified Carbon Standard Association |
| VCS PD | VCS Project Description |
| VCUs | Verified Carbon Units |

# APPENDIX 2: DOCUMENTS REVIEWED

| | Author | Title | Reference to documents | Provider |
|---|---|---|---|---|
| 1. | ReNew Solar Power Private Limited | Joint Project Description (PD) and Monitoring Report (MR) | Version 02, dated 02/02/2019 | PP |
| 2. | ReNew Solar Power Private Limited | Monitoring Report (MR) | Version 1.0, dated 21/03/2025 | PP |
| 3. | ReNew Solar Power Private Limited | Final Monitoring Report (MR) | Version 3.0, dated 17/04/2025 | PP |
| 4. | ReNew Solar Power Private Limited | ER Spreadsheet | Pertaining to the latest MR | PP |
| 5. | Bureau Veritas Certification | Validation Report | Version 1.0, dated 20/04/2017 | Others |
| 6. | VCS | VCS Program Guide | Version 4.4, dated 29/08/2023 | Others |
| 7. | VCS | VCS Standard | Version 4.7, dated 16/04/2024 | Others |
| 8. | CDM | ACM0002 “Grid-connected electricity generation from renewable sources” | Version 19.0 | Others |
| 9. | CDM | Tool for the demonstration and assessment of additionality | Version 07.0 | Others |
| 10. | CDM | Tool to calculate the emission factor for an electricity system | Version 07.0 | Others |
| 11. | ESL | Remote audit and interviews conducted for the project monitoring period | Date: 15/04/2025 | Others |
| 12. | ReNew Solar Power Private Limited | Monthly JMRs | For the current monitoring period: | PP |

| | | | | |
|---|---|---|---|---|
| | | | 01/04/2024 to 31/01/2025 | |
| 13. | CEA | CO2 baseline database for Indian power sector by CEA | Version 13 | Others |
| 14. | - | Commissioning certificates for all the SPV's | For the current monitoring period | PP |
| 15. | - | Calibration certificates for all the meters and meter replacement reports | - | PP |
| 16. | - | Power Purchase Agreements | - | PP |
| 17. | - | Previous Verification reports | - | Others |
| 18. | ReNew Solar Power Private Limited | Feedback & Grievance register | - | PP |
| 19. | - | Photographs of the project site and energy meters | - | PP |
| 20. | - | Technical specifications of the SPV | - | PP |
| 21. | ReNew Solar Power Private Limited | Declaration for no participation under any other programs other than VCS | - | PP |
| 22. | - | Energy Invoices | 01/04/2024 to 31/01/2025 | PP |
| 23. | ReNew Solar Power Private Limited | Breakdown details | For the current monitoring period: 01/04/2024 to 31/01/2025 | PP |
| 24. | - | Maps of the Location | - | PP |
| 25. | VCS | VCS Verification Report Template | Version 4.4<br>16/04/2024 | Others |
| 26. | VCS | VCS Monitoring Report Template | Version 4.4<br>16/04/2024 | Others |
| 27. | VCS | Verra Project page | Accessed on 11/04/2025 | Others |

| | | | | |
|---|---|---|---|---|
| | | https://registry.verra.org/app/projectDetail/VCS/1851 | | |
| 28. | ReNew Solar Power Private Limited | Employment Records | - | PP |
| 29. | ReNew Solar Power Private Limited | Training Records | - | PP |
| 30. | ReNew Solar Power Private Limited | Equal Opportunity and Anti Discrimination Policy | 2020 | PP |
| 31. | ReNew Solar Power Private Limited | Gender Pay Parity Policy | 2020 | PP |
| 32. | ReNew Solar Power Private Limited | HR Policy | - | PP |
| 33. | ReNew Solar Power Private Limited | MOM of stakeholder consultation | - | PP |
| 34. | GS Registry | GS website<br>https://registry.goldstandard.org/projects/details/3426 | Accessed 10/04/2025 | Others |
| 35. | VCS | Verra Website – Registered projects<br>https://registry.verra.org/app/search/VCS/All%20Projects | Accessed 10/04/2025 | Others |
| 36. | ReNew Solar Power Private Limited | Waste disposal records | | PP |

# APPENDIX 3: COMPETENCE STATEMENT

| Competence Statement | | | |
|---|---|---|---|
| **Name** | Anurag Verma | | |
| **Education** | M.Tech (ESN Programme)<br>B.E (Mechanical Engineering) | | |
| **Experience** | 1+ Year | | |
| **Field** | Climate Change & Environment | | |
| **Approved Roles** | | | |
| **Team Leader** | YES | | |
| **Validator** | YES | | |
| **Verifier** | YES | | |
| **Local expert** | YES (India) | | |
| **Financial Expert** | NO | | |
| **Technical Reviewer** | NO | | |
| **TA Expert (X.X)** | YES (TA 1.2) | | |
| | | | |
| **Reviewed by** | Shifali Guleria (Quality Manager) | **Date** | 10/02/2025 |
| **Approved by** | Deepika Mahala (Technical Manager) | **Date** | 10/02/2025 |

| Competence Statement | |
|---|---|
| **Name** | Austin Paul |
| **Education** | B.Sc Geology - Geochemistry, Petrology, Palaeontology<br>M.Sc Environmental Management - EIA, Environmental Policy |
| **Experience** | NA |
| **Field** | Environmental Management, Climate change |

| Approved Roles | | | |
|---|---|---|---|
| Team Leader | NO | | |
| Validator | Yes | | |
| Verifier | Yes | | |
| Methodology Expert | NO | | |
| Local expert | NO | | |
| Financial Expert | NO | | |
| Technical Reviewer | NO | | |
| TA Expert (X.X) | NO | | |
| | | | |
| | | | |
| Reviewed by | Shifali Guleria (Quality Manager) | Date | 21-10-2024 |
| Approved by | Deepika Mahala (Technical Manager) | Date | 21-10-2024 |

| **Competence Statement (ISO 14065)** | | | |
|---|---|---|---|
| **Name** | Divij Varshney | | |
| **Education** | M. Tech. Renewable energy systems<br>B.Tech. Electrical Engineering | | |
| **Experience** | 3.5 years | | |
| **Field** | Climate Change & Environment / Industry | | |
| **Approved Roles** | | | |
| **Team Leader** | Yes (VM) | | |
| **Validator** | Yes (VM) | | |
| **Verifier** | Yes (VM) | | |
| **Local expert** | Yes (India) | | |
| **Financial Expert** | NO | | |
| **Technical Reviewer** | Yes | | |
| **TA Expert (X.X)** | Yes (1.2 &3.1) | | |
| | | | |
| **Reviewed by** | Shifali Guleria, Quality Manager | **Date** | 04/04/2024 |
| **Approved by** | Deepika Mahala, Technical Manager | **Date** | 04/04/2024 |

# APPENDIX 4: FINDINGS OVERVIEW

**Table 1. CL from this verification**

| **CL ID** | 01 | **Section no.** | ER sheet | **Date :** 02/04/2025 |
|---|---|---|---|---|
| **Description of CL** | | | | |
| PP is requested to clarify why the durations of monthly electricity readings overlap in the case of 'Minpur 65MW'. For instance April 2024 (01-April-2024 to 02-May-2024) and May 2024 (02-May-2024 to 02-June-2024). | | | | |
| **Project participant response** | | | | **Date :** 12/04/2025 |
| *The duration of monthly electricity readings has been stated as they are written in the JMR. But it does not mean that they overlap each other. E.g. for April 2024 and May 2024, the Date 02-May-2024 is common. Here it means that the reading was taken until 24:00 hrs. in the midnight of 02-May-2024 and the next reading starts from 00:00 hrs. from 03-May-2024. Also, it is to be noted that the compilation of Monthly JMRs is under the purview of Southern Power Distribution Company of Telangana Limited and the PP has no role in the same.* | | | | |
| **Documentation provided by project participant** | | | | |
| *Monthly JMR for the Months for April-2024 and May 2024* | | | | |
| **DOE assessment** | | | | **Date:** 15/04/2025 |
| The VVB has assessed the JMRs of 'Minpur 65MW' and it complies with the PP's response. The overlapping in the dates of monthly electricity readings is due to the timings of readings taken and can confirm that the timings are consecutive and no double counting has occurred. Therefore, the finding is closed.<br><br>CL#01 is closed. | | | | |

| **CL ID** | 02 | **Section no.** | 1.12 of the MR | **Date :** 02/04/2025 |
|---|---|---|---|---|
| **Description of CL** | | | | |
| It has been observed that in Section 1.12, column 'contribution over project lifetime', it is stated that 196 jobs have been created over the project lifetime. PP is requested to clarify how the project activity resulted in 196 jobs being created over the entire project lifetime of 7 years, even though the total capacity of the solar projects under the activity has remained unchanged throughout this period. | | | | |
| **Project participant response** | | | | **Date :** 12/04/2025 |

| |
|---|
| As per the new mandate the paragraph 3.17.1 of the VCS Standard v4.7 states that, the project proponent shall demonstrate that a project contributes to at least three SDGs by the end of the first monitoring period, and in each subsequent monitoring period. Since, this Mandate was not applicable for the previous periodic verifications so the SDG contribution for the current periodic verification is same as the SDG contribution over the project lifetime for the SDG 8. Thus, the changes have been implemented accordingly and now 28 Jobs are mentioned that are created for this monitoring period as well as the project lifetime. |
| **Documentation provided by project participant** |
| *Revised Monitoring Report v02* |
| **DOE assessment** **Date:** 15/04/2025 |
| The VVB has verified the employment records provided by the PP for the current monitoring period (01/04/2024 to 31/01/2025) and confirms that the project activity has resulted in 28 jobs. Also, the PP has rectified the contribution to SDG 8 by the project activity over the lifetime to 28 which is the number of jobs created this MP, as this mandate was not applicable for the previous periodic verifications so the SDG contribution for the current periodic verification is same as the SDG contribution over the project lifetime for the SDG 8.<br><br>CL#02 is closed. |

**Table 2. CAR from this verification**

| | | | | |
|---|---|---|---|---|
| **CAR ID** | 01 | **Section no.** | ER sheet | **Date :** 01/04/2025 |
| **Description of CAR** | | | | |
| The following observations were made in the ER sheet.<br><br>1. The electricity export value of phase-1 of Shreyas Renewables Limited in the JMR for April 2024 is inconsistent with the ER sheet (Tab: Rajasthan Sites, Cell:E52). Please make it consistent.<br>2. The export value considered for Ashok Nagar for May 2024 in the ER sheet (Tab: Ashok Nagar-MP, Cell: E6) is inconsistent with the JMR provided. Please correct the inconsistency.<br>3. The export and import values considered for Minpur 65MW for June 2024 in the ER sheet (Tab: Minpur_65 MW, Cell: E6 and F6) is inconsistent with the JMR provided. Please correct the inconsistency.<br>4. The export value entered for Mehbubnagar-RWEL Plant-2 for October 2024 in the ER sheet (Tab: Mahaboobnagar_100 MW, Cell: E26) is inconsistent with the JMR provided. Please correct the inconsistency.<br>5. The export value entered for Mehbubnagar- RWEL Plant-6 for July 2024 in the ER sheet (Tab: Mahaboobnagar_100 MW, Cell: E26) is inconsistent with the JMR provided. Please correct the inconsistency. | | | | |
| **Project participant response** | | | | **Date :** 12/04/2025 |
| 1. *The electricity export value for phase-1 of Shreyas Limited in the JMR for April 2024 Month has been crosschecked and correct value has been updated in the Revised ER-Sheet. The Same was a Typographical error and is now consistent with the JMR value.*<br>2. The export value for Ashok Nagar in JMR for May 2024 Month has *been crosschecked and correct value has been updated in the Revised ER-Sheet. The Same was a Typographical error and is now consistent with the JMR value.* | | | | |

| |
|---|
| 3. The export and import values for Minpur 65MW in JMR for June 2024 Month has *been crosschecked and correct value has been updated in the Revised ER-Sheet. The Same was a Typographical error and is now consistent with the JMR value.*<br>4. The export value for Mehbubnagar-RWEL Plant-2 in JMR for October 2024 Month *has been crosschecked and correct value has been updated in the Revised ER-Sheet. The Same was a Typographical error and is now consistent with the JMR value*<br>5. The export value for Mehbubnagar- RWEL Plant-6 in JMR for July 2024 Month *has been crosschecked and correct value has been updated in the Revised ER-Sheet. The Same was a Typographical error and is now consistent with the JMR value.* |
| **Documentation provided by project participant** |
| *Revised ER-Sheet v02 and Relevant JMRs* |

| **DOE assessment** | **Date:** 14/04/2025 |
|---|---|

1. The VVB confirms after the assessment of revised MR, ER Sheet, JMRs and invoices for April 2024 of phase-1 of Shreyas Renewables Limited that the PP has made the electricity export values consistent. Therefore, the finding is closed.
2. The VVB confirms after the assessment of revised MR, ER Sheet, JMRs and invoices for May 2024 of Ashok Nagar that the PP has made the generation values consistent. Therefore, the finding is closed.
3. The VVB confirms after the assessment of revised MR, ER Sheet, JMRs and invoices for June 2024 of Minpur 65MW that the PP has made the export and import values consistent. Therefore, the finding is closed.
4. The VVB confirms after the assessment of revised MR, ER Sheet, JMRs and invoices for October 2024 of Mehbubnagar-RWEL Plant-2 that the PP has made the export values consistent. Therefore, the finding is closed.
5. The VVB confirms after the assessment of revised MR, ER Sheet, JMRs and invoices for July 2024 of Mehbubnagar-RWEL Plant-6 that the PP has made the export values consistent. Therefore, the finding is closed.

CAR#01 is Closed.

| **CAR ID** | 02 | **Section No.** | 1.12 of the MR | **Date :** 01/04/2025 |
|---|---|---|---|---|
| **Description of CAR** | | | | |
| PP shall mention the SDG targets and SDG indicators under the column ‘SDG target’ and ‘SDG indicator’ of the Table 1. Sustainable Development Contributions of the MR. | | | | |
| **Project participant response** | | | | **Date :** 12/04/2025 |
| *The SDG Targets and Indicators have now been clearly mentioned in the Table 1.* | | | | |
| **Documentation provided by project participant** | | | | |
| *Revised Monitoring Report v02* | | | | |
| **DOE assessment** | | | | **Date:** 14/04/2025 |

| |
|---|
| The VVB confirms after the assessment of the revised MR that the PP has now included the indicators and targets for all the three SDGs (7, 8 and 13) claimed by the PP. Therefore, the finding is closed.<br><br>CAR#02 is closed. |

**Table 3. FAR from this verification**

| **FAR ID** | | **Section No.** | | **Date :** DD/MM/YYYY |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| | | | | |
| **Project participant response** | | | | **Date :** DD/MM/YYYY |
| *There are no FARs from this verification* | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** DD/MM/YYYY |
| | | | | |

# APPENDIX 5: DATES OF STAKEHOLDER CONSULTATIONS

| Name of Investor | Capacity | Project Location | | | Date of Invitation | Date of Meeting |
|---|---|---|---|---|---|---|
| | | Village | District | State | | |
| Bhumi Prakash Private Limited | 20 | Hirebudur | Raichur | Karnataka | 01/04/2016 | 08/04/2016 |
| Renew Wind Energy (MP Four) Private Limited | 20 | Chincholi | Kalaburagi | | 02/04/2016 | 09/04/2016 |
| Renew Agni Power Private Limited | 20 | Upparhosahalli | Ballari | | 04/04/2016 | 11/04/2016 |
| Renew Wind Energy (Karnataka 3) Private Limited | 20 | Ladha | Bidar | | 05/04/2016 | 12/04/2016 |
| Tarun Kiran Bhoomi Private Limited | 20 | Gola (B) | Kalaburagi | | 06/04/2016 | 13/04/2016 |
| Renew Wind Energy (Karnataka 4) Private Limited | 20 | Nirna | Bidar | | 07/04/2016 | 14/04/2016 |
| Renew Wind Energy (Budh 3) Private Limited | 20 | Santhpur near Eklara | Bidar | | 08/04/2016 | 15/04/2016 |
| | 20 | Nirna | Bidar | | 09/04/2016 | 16/04/2016 |
| | 20 | Wadagere & Aikur | Yadagir | | 18/04/2016 | 25/04/2016 |
| Renew Wind Energy (Maharashtra) Private Limited | 20 | Saidapur & Malhar | Yadagir | | 19/04/2016 | 26/04/2016 |
| Renew Wind Energy (Rajasthan Four) Private Limited | 20 | Gundikaval | Tumkur | | 20/04/2016 | 27/04/2016 |
| Renew Wind Energy (MP Three) Private Limited | 20 | Kattige | Davangere | | 21/04/2016 | 28/04/2016 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Renew Saur Urja Private Limited | 50 | Thalekhan | | | 22/04/2016 | 29/04/2016 |
| Renew Wind Energy (TN2) Private Limited | 50 | Thirumani, Rayacherlu, Vallur, Balasamudra, Kyataganacherlu | Tumkur | | 23/04/2016 | 30/04/2016 |
| Renew Solar Energy (Karnataka Two) Private Limited | 40 | Charanka | Patan | Gujarat | 02/05/2016 | 09/05/2016 |
| Renew Clean Energy Private Limited | 51 | Bhensarwas | Ashok Nagar | Madhya Pradesh | 03/05/2016 | 10/05/2016 |
| Aalok Solarfarms Limited | 10 | Badisid | Jodhpur | Rajasthan | 04/05/2016 | 11/05/2016 |
| Abha Solarfarms Limited | 10 | Badisid | Jodhpur | | | |
| Heramba Renewbles Limited | 20 | Hanawat Nagar | Jodhpur | | 05/05/2016 | 12/05/2016 |
| Shreyas Solarfarms Limited | 20 | Khetusar Nagar | Jodhpur | | 06/05/2016 | 13/05/2016 |
| ReNew Solar Energy (Telangana) Private Limited | 143 | Dharamaraopet & Kankal | Nizamabad | | 07/09/2015 | 14/09/2015 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Telangana | | |
| Renew Mega Solar Power Private Limited | 48 | Andugulapet | Adilabad | | 08/09/2015 | 15/09/2015 |
| Renew Saur Shakti Private Limited | 30 | Vangara | Karimnagar | | 09/09/2015 | 16/09/2015 |
| | 65 | Minpur | Medak | | 10/09/2015 | 17/09/2015 |
| Renew Wind Energy (TN2) Private Limited | 100 | Gudibanda | Mahabubnagar | | 11/09/2015 | 18/09/2015 |
| Prathamesh Solarfarms Limited | 50 | Dodaguntapally | Mahabubnagar | | 12/09/2015 | 19/09/2015 |

# APPENDIX 6: METER CALIBRATION

Details of the energy meters installed at all the SPVs are provided in the below table:

| Sr. No. | SPV Name | Location | Meter Number | Meter Type | New/Old Meters | Meter Manufacturer | Meter Accuracy Class | Date of Calibration | Due date of calibration |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tarun Kiran Bhoomi Private Limited (20 MW) | Alland | 16193095 | Main Meter | Old | L & T | 0.2 s | 04-September-2019, 19-June-2020 | 03-September-2024, 18-June-2025 |
| | | | 22003301 | Main Meter | New | L&T | 0.2s | 05-April-2022 | 04-April-2027 |
| | | | 13192165 | Check Meter | Old | L & T | 0.2 s | 04-September-2019, 19-June-2020 | 03-September-2024, 18-June-2025 |
| | | | 22005536 | Check Meter | New | L&T | 0.2s | 05-April-2022 | 04-April-2027 |
| 2 | Renew Clean Energy Private Limited (51 MW) | Ashokenagar | XE518730 | Main Meter | Old | Secure | 0.2 s | 10-August-2020 | 09-August-2025 |
| | | | XE518731 | Check Meter | Old | Secure | | | |
| | | | Q0715876 | Main Meter | New | Secure | 0.2s | 01-March-2023 | 29-Feb-2028 |
| | | | Q0715877 | Check Meter | New | Secure | 0.2s | 01-March-2023 | |
| 3 | Renew Wind Energy (TN2) Private Limited (50 MW) | NagalamadikeHobli, Pavagada | 16195517 | Main Meter | Old | L & T | 0.2 s | 08-December-2017 | 07-December-2022 |
| | | | 16195508 | Check Meter | Old | L & T | 0.2 s | 08-December-2017 | |
| | | | LT-0834-A | Main Meter | New | L & T | 0.2 s | 10-January-2022 | 09-January-2027 |
| | | | LT-0795-A | Check Meter | New | L & T | 0.2 s | 10-January-2022 | |
| 4 | Renew Wind | Bhalki | 16113413 | Main Meter | Old | L & T | 0.2 s | 28-January-2021 | 27-January-2026 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Energy (Karnataka 3) Private Limited (20 MW) | | 16113221 | Check Meter | Old | L & T | 0.2 s | 28-January-2021 | |
| | | | 21005034 | Main meter | New | L & T | 0.2 s | 15-March-2023 | 14-March-2028 |
| | | | 21005051 | Check Meter | New | L & T | 0.2 s | | |
| 5 | Renew Wind Energy (MP Four) Private Limited(20 MW) | Chincholi | 16083161 | Main Meter | - | L & T | 0.2 s | 25-January-2023 | 24-January-2028 |
| | | | 16083118 | Check Meter | - | L & T | 0.2 s | 25-January-2023 | |
| 6 | Bhumi Prakash Private Limited(20 MW) | Devadurga | 15197833 | Main Meter | Old | L & T | 0.2 s | 25-December-2019 | 24-December-2024 |
| | | | 15197834 | Check Meter | Old | L & T | 0.2 s | 25-December-2019 | |
| | | | 21005057 | Main Meter | New | L & T | 0.2 s | 24-February-2023 | 23-February-2028 |
| | | | 21005109 | Check Meter | New | L & T | 0.2 s | 24-February-2023 | |
| 7 | ReNew Solar Energy (Telangana) Private Limited (143 MW) | Dichpally | APX01166 | Main Meter | - | Secure | 0.2 s | 27-July-2021 | 26-July-2026 |
| | | | APX01167 | Check Meter | - | Secure | 0.2 s | 27-July-2021 | |
| | | | APX01168 | Standby Meter | - | Secure | 0.2 s | 27-July-2021 | |
| 8 | Renew Wind Energy (MP Three) Private Limited(20 MW) | Honnali | 16112933 | Main Meter | Old | L & T | 0.2 s | 27-September-2017 | 26-September-2022 |
| | | | 16112921 | Check Meter | Old | L & T | 0.2 s | 27-September-2017 | |
| | | | 21005015 | Main Meter | New | L & T | 0.2 s | 21-January-2023 | 20-January-2028 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 21005085 | Check Meter | New | L & T | 0.2 s | 21-January-2023 | |
| 9 | Renew Wind Energy (Karnataka 4) Private Limited(20 MW) | Humnabad | 16083139 | Main Meter | - | L & T | 0.2 s | 17-March-2023 | 16-March-2028 |
| | | | 16083133 | Check Meter | - | L & T | 0.2 s | 17-March-2023 | |
| 10 | Renew Mega Solar Power Pvt Limited (48 MW) | Mandamarri | APX01147 | Main Meter | - | Secure | 0.2 s | 10-July-2020 | 09-July-2025 |
| | | | APX01148 | Check Meter | - | Secure | 0.2 s | 10-July-2020 | |
| | | | APX01149 | Standby Meter | - | Secure | 0.2 s | 10-July-2020 | |
| 11 | Renew Wind Energy (TN2) Private Limited (100 MW) | Mahbubnagar | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | APZ00378 | Main Meter | - | Apex 150 | 0.2 s | 10-April-2023 | 09-April-2024 |
| | | | APZ00379 | Check Meter | - | Apex 150 | 0.2 s | 10-April-2023 | |
| | | | APZ00380 | Standby Meter | - | Apex 150 | 0.2 s | 10-April-2023 | |
| 12 | Renew Saur Shakti Private Limited (65 MW) | Minpur | 16196322 | Main Meter | - | L & T | 0.2 s | 18-February-2020 | 17-February-2025 |
| | | | 16196377 | Check Meter | - | L & T | 0.2 s | 18-February-2020 | |
| | | | 16196411 | Standby Meter | - | L & T | 0.2 s | 18-February-2020 | |
| 13 | Renew Saur Shakti Private Limited | Mulkanoor | 16196362 | Main Meter | - | L & T | 0.2 s | 09-February-2021 | 08-February-2026 |
| | | | 16196398 | Check Meter | - | L & T | 0.2 s | 09-February-2021 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | (30 MW) | | 16196385 | Standby Meter | - | L & T | 0.2 s | 09-February-2021 | |
| 14 | Abha Solarfarms Limited (10 MW) | Bap | 17075486 | Main Meter | - | L & T | 0.2 s | 03-April-2021 | 02-April-2026 |
| | | | 17075488 | Check Meter | - | L&T | 0.2s | 03-April-2021 | 02-April-2026 |
| 15 | Aalok Solarfarms Limited (10 MW) | Bap | 17075514 | Main Meter | - | L & T | 0.2 s | 03-April-2021 | 02-April-2026 |
| | | | 17075515 | Check Meter | - | L&T | 0.2s | 03-April-2021 | 02-April-2026 |
| 16 | Heramba Renewbles Limited (20 MW) | Bap | 17075537 | Main Meter (Project-I) | - | L & T | 0.2 s | 05-April-2021 | 04-April-2026 |
| | | | 17075539 | Check Meter(Project-I) | - | L & T | 0.2 s | 05-April-2021 | |
| | | | 17075547 | Main Meter(Project-II) | - | L & T | 0.2 s | 05-April-2021 | |
| | | | 17075548 | Check Meter(Project-II) | - | L & T | 0.2 s | 05-April-2021 | |
| 17 | Shreyas Solarfarms Limited (20 MW) | Bap | 17075525 | Main Meter(Project-I) | - | L & T | 0.2 s | 04-April-2021 | 03-April-2026 |
| | | | 17075526 | Check Meter(Project-I) | - | L & T | 0.2 s | 04-April-2021 | |
| | | | 17075530 | Main Meter(Project-II) | - | L & T | 0.2 s | 04-April-2021 | |
| | | | 17075531 | Check Meter( | - | L & T | 0.2 s | 04-April-2021 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Project-II) | | | | | |
| 18 | Prathamesh Solarfarms Limited (50 MW) | Dodaguntapally | XD551233 | Main Meter | - | Secure | 0.2 s | 25-March-2021 | 24-March-2026 |
| | | | XD551234 | Check Meter | - | Secure | 0.2 s | 25-March-2021 | |
| | | | XD551235 | Standby Meter | - | Secure | 0.2 s | 25-March-2021 | |
| 19 | Renew Solar Energy (Karnataka Two) Private Limited (40 MW) | Charanka | GJ3713A | Main Meter | - | Secure | 0.2 s | 19-March-2020 | 18-March-2025 |
| | | | GJ3714A | Check Meter | - | Secure | 0.2s | 19-March-2020 | 18-March-2025 |
| | | | GJ3880A | Standby Meter | - | Secure | 0.2 s | 19-March-2020 | 18-March-2025 |
| 20 | Renew Wind Energy (Rajasthan Four) Private Limited (20 MW) | Turuvekere | 16112918 | Main Meter | Old | L & T | 0.2 s | 26-February-2021 | 25-February-2026 |
| | | | 16112913 | Check Meter | Old | L & T | 0.2 s | 26-February-2021 | |
| | | | 20009661 | Main Meter | New | L & T | 0.2 s | 31-January-2023 | 30-January-2028 |
| | | | 20009673 | Check Meter | New | L & T | 0.2 s | 31-January-2023 | |
| 21 | Renew Wind Energy (Maharashtra) Private Limited (20 MW) | Yadgir | 16113430 | Main Meter | Old | L & T | 0.2 s | 01-April-2021 | 31-March-2026 |
| | | | 16113436 | Check Meter | Old | L & T | 0.2 s | 01-April-2021 | |
| | | | 21004929 | Main Meter | New | L & T | 0.2 s | 01-March-2023 | 29-Feb-2028 |
| | | | 21004938 | Check Meter | New | L & T | 0.2 s | | |
| 22 | Renew Agni Power Private Limited(20 MW) | Siruguppa | 16113386 | Main Meter | Old | L & T | 0.2 s | 13-January-2021 | 12-January-2026 |
| | | | 16113401 | Check Meter | Old | L & T | 0.2 s | 13-January-2021 | |
| | | | 20003009 | Main Meter | New | L & T | 0.2 s | 16-March-2023 | 15-March-2028 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 20003005 | Check Meter | New | L & T | 0.2 s | 16-March-2023 | |
| 23 | Renew Wind Energy (Budh 3) Private Limited (20 MW) | Eklara | 17069178 | Main Meter | Old | L & T | 0.2 s | 26-November-2020 | 25-November-2025 |
| | | | 17069183 | Check Meter | Old | L & T | 0.2 s | 26-November-2020 | |
| | | | 21004949 | Main Meter | New | L&T | 0.2 s | 14-March-2023 | 13-March-2028 |
| | | | 21004979 | Check Meter | New | L&T | 0.2 s | 14-March-2023 | |
| 24 | Renew Saur Urja Private Limited( 50 MW) | Thalekan | 17117926 | Main Meter | New | L & T | 0.2 s | 14-March-2023 | 13-March-2028 |
| | | | 17117928 | Check Meter | New | L & T | 0.2 s | 14-March-2023 | |
| 25 | Renew Wind Energy (Budh 3) Private Limited (20 MW) | Nirna | 17166928 | Main Meter | Old | L & T | 0.2 s | 12-June-2020 | 11-June-2025 |
| | | | 17166940 | Check Meter | Old | L & T | 0.2 s | 12-June-2020 | |
| | | | 21005004 | Main Meter | New | L & T | 0.2 s | 13-March-2023 | 12-March-2028 |
| | | | 21005028 | Check Meter | New | L & T | 0.2 s | 13-March-2023 | |
| 26 | Renew Wind Energy (Budh 3) Private Limited (20 MW) | Wadagere | 17125589 | Main Meter | New | L & T | 0.2 s | 16-Feb-2023 | 15-Feb-2028 |
| | | | 17125590 | Check Meter | New | L & T | 0.2 s | 16-Feb-2023 | |

# APPENDIX 7: COMMERCIALLY SENSITIVE INFORMATION

| *Section* | *Information* | *Justification* | *Assessment method and conclusion* |
|---|---|---|---|
| N/A | N/A | N/A | N/A |