



RENEWABLE SOLAR POWER PROJECT BY ADANI GREEN ENERGY LIMITED



Document Prepared By

LGAI Technological Center S.A. (Applus+ Certification)

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Summary:

Verification purpose: The main purpose of this project activity is to generate clean form of electricity through Solar power. Adani Green Energy Limited has set up a 990 MW solar power project in the state of Chhattisgarh, Karnataka, Maharashtra, Rajasthan and Uttar Pradesh states of India. The electricity generated from the project activity is supplied to the Indian electricity grid as per Power Purchase Agreement signed with the Adani Green Energy Limited. The electricity generated from the project activity sold to state electricity board via Unified Indian grid. The project is registered with VCS with Project ID 1815¹. Start date of the project activity is the 28-September-2017. On this day 20 MW solar project activity by Adani Green Energy (UP) Limited was commissioned. The monitoring period for this VCS verification is taken from 01-January-2021 to 30-November-2021 (including both days) and the project activity achieved 1,789,206 tCO_{2e} emission reductions during this monitoring period thereon displacing 1,888,464.28 MWh amount of electricity from the generation-mix of power plants connected to the NEWNE regional grid (now Indian Grid), which is mainly dominated by thermal/fossil fuel-based power plant. Thus, VCS crediting period is of 10 years. Project activity start date of crediting period is 28 September-2017 and 27- September-2027 is the end date of the crediting period.

A risk-based approach has been followed to perform this verification activity. In the course of verification, 05 Corrective Action request (CAR) and 00 Clarification Requests (CLs) were raised and successfully closed. No FAR was raised during this verification. The review of the Monitoring report and additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and PP have provided LGAI Technological Center S.A. (Applus+ Certification) with sufficient evidence to verify the fulfilment of the stated criteria of VCS.

LGAI Technological Center S.A. (Applus+ Certification) (Hereafter referred as Applus+ Certification) has been appointed by “Adani Green Energy Ltd.” to perform the 4th periodic verification of the “RENEWABLE SOLAR POWER PROJECT BY ADANI GREEN ENERGY LIMITED ” under VCS standard version 4.2 /10/ and guideline version 4.1/10/. The objective of this verification activity is to have an independent third party for the assessment of the project design, monitoring report and Final

¹<https://registry.verra.org/app/projectDetail/VCS/1815>

Verification report/4/ and to ensure a thorough assessment of the proposed project activity against the applicable CDM and VCS requirements. In particular;

- the project's baseline is assessed against “ACM0002 - Version 19”
- the project's monitoring plan is assessed against “ACM0002 - Version 19”
- the project's compliance with, the requirements of Article 12 of the Kyoto Protocol, the CDM Modalities and Procedures as agreed in the Marrakech Accords under decision3/CMP.1, the annexes to this decision, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other relevant rules, including the Host Country legislation and sustainability criteria along with VCS guideline version 4.1 /10/ and standard version 4.2 /10/
- CDM validation and verification standard for project activities, Version 03 /16/.
- VCS standard v 4.2 /10/
- VCS program guideline v 4.1 /10/

Verification is a requirement for all VCS projects and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of verified emission reductions (VCUs).

The scope of the verification is the independent and objective review of the Monitoring report (MR). The MR is reviewed against the relevant criteria (see above) and decisions by the CDM Executive Board and VCS executive board, including the approved baseline and monitoring methodology. The verification was based on the guidance given in the CDM validation and verification standard /16/ for project activities, Version 03 /10/, review against registered PD and Final Validation report/4/and VCS program guideline v 4.1 /10/ and standard version v 4.2 /10/.

The assessment team has employed a risk-based approach to assess the completeness and accuracy of the claims and conservativeness of the assumptions in the MR. The main focus of the assessment team is to identify the significant risks for the project implementation and the generation of VCUs. 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 combined.

The only purpose of the verification is its usage during the issuance process as part of the VCS project cycle. Therefore, LGAI Technological Center S.A. (Applus+ Certification) can't be held liable by any party for decisions made or not made based on the verification opinion, which will go beyond that purpose.

The verification has been planned and organized to achieve a Reasonable Level of assurance as per the requirement of VCS. No sampling procedure applied for document verifications. The entire documents checked verification conducted to arrive at positive verification conclusions.

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1 INTRODUCTION

1.1 Objective

LGA Technological Center S.A. (Applus+ Certification) (Hereafter referred as Applus+ Certification) has been appointed by “Adani Green Energy Limited” to perform the 4th periodic verification of the “Renewable Solar Power Project By Adani Green Energy Limited” under VCS standard version 4.2 /10/ and guideline version 4.1 /10/. The objective of this verification activity is to have an independent third party for the assessment of the project design, Monitoring report and Final Verification report/4/ and to ensure a thorough assessment of the proposed project activity against the applicable CDM and VCS requirements. In particular;

- the project's baseline is assessed against “ACM0002 - Version 19.0”
- the project's monitoring plan is assessed against “ACM0002 - Version 19.0”
- the projects compliance with, the requirements of Article 12 of the Kyoto Protocol, the CDM Modalities and Procedures as agreed in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other relevant rules, including the Host Country legislation and sustainability criteria along with VCS guideline 4.1 and standard version 4.2 /10/
- CDM validation and verification standard for project activities, Version 03 /16/
- VCS standard v4.2 /10/
- VCS program guideline v4.1 /10/

Verification is a requirement for all VCS projects and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of verified emission reductions (VCUs).

1.2 Scope and Criteria

The scope is defined as an independent and objective review of the Monitoring report (MR) prepared as per the registered PD and registered approved methodology ACM0002 - Version 19. The MR is reviewed against the criteria stated in Article 12 of the Kyoto Protocol, the CDM modalities and procedures as agreed in the Marrakech Accords and the relevant decisions by the CDM Executive Board and VCS standard 4.2 /10/ and guideline version 4.1 /10/, including the approved baseline and monitoring methodology ACM0002 - Version 19. The verification was based on the requirements in the CDM validation and verification standard /16/ for project activities, Version 03 /10/ and VCS program guideline v 4.1 /10/ and standard version 4.2 /10/

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/7/ calculation spread sheet. It follows the paper trail back to the raw data such as meter reading records and Invoices /11/. There are no material errors, overestimation of ER, omission or misstatement. Verification team conducted Remote audit due to pandemic situation and equipment's, technical details and metering/monitoring arrangement verified through photos/certificate shared by PP. The verification team has reviewed all the documents like commissioning certificates/1/, technical specification, O&M practices, JMR /11/, Invoices /11/, training records, grievance registers, photos etc.

1.3 Level of Assurance

Applus+ Certification has planned and performed the verification by obtaining evidence and other information and explanations that assessment team considers necessary to give reasonable assurance that reported estimated GHG emission reductions are fairly stated. All documentary evidences were checked, a remote audit was conducted due to pandemic situation and technical details and metering/monitoring arrangement verified through photos/certificate shared by PP to arrive at a verification conclusion by the assessment team.

In our opinion, the estimated GHG emissions reductions were calculated correctly on the basis of the approved baseline and monitoring methodology "ACM0002 - Version 19" and the VCS standard.

1.4 Summary Description of the Project

The project activity involves installation of solar power plant total generating capacity of 990 MW, at Chhattisgarh, Karnataka, Maharashtra, Rajasthan and Uttar Pradesh states in India . This project activity is with Adani Green Energy Limited as the project proponent., Adani Green Energy Limited acting as a parent company formed different SPV (Special Purpose Vehicles) and projects are developed by name of SPVs.

Following are the SPV's in this project: -

Name of SPVs	Capacity (MW)		Village(s)	District	State	Date of Commissioning
Parampujya Solar Energy Private Limited	100 MW	40 MW	Rani & Bundeli	Dhamdha	Chhattisga h	16-December-2017
		10 MW				08-March-2018
		40 MW				14-December-2017
		10 MW				08-March-2018
	20 MW		Kilaj	Osmanabad	Maharasa	22-February-2018
	100 MW		Thirumani, Rayacherlu, Vallur, Balasamudra	Tumkur	Karnataka	15-December-2017
	40 MW		Kallur, Balgera & Kudgunti	Koppal		08-March-2018
	50 MW		Thirumani, Rayacherlu, Vallur,	Tumkur		03-January-2018

		Balasamudra			
Wardha Solar (Maharashtra) Private Limited	100 MW	Madhuvanahalli	Chamarajnaragar		12-February-2018
	50 MW	Maskal	Bidar		27-February 2018
	40 MW	Nalwar	Kalaburagi		26-February - 2018
	50 MW	Rajeshwar & Handral	Bidar		29-January-2018
	50 MW	Hattigudur & Bommanahalli	Yadgir		14-February-2018
	50 MW	Yatnal	Vijayapura		17-December-2017
	10 MW	Kallur, Balgera & Kudgunti	Koppal		08-March-2018
Kodangal Solar Parks Private Limited	20 MW	Hebbal	Vijayapur		05-january-2018
Prayatna Developers Private Limited	20 MW	Kanasar	Jodhpur	Rajasthan	29-September-2017
Adani Green Energy (UP) Limited	20 MW	Kadaramandalagi	Haveri	Karnataka	30-January-2018

	20 MW	Guddehosur	Ramanagara		02-March-2018
	20 MW	Talekoppa	Tumkur		09-March-2018
	20 MW	Chikkahalli	Hassan		13-October-2017
	20 MW	-	Kalaburagi		18-November-2017
	20 MW	-	Mandya		22-December-2017
	20 MW	Thirthbandathi	Kolar		18-October-2017
	20 MW	Gejjaraguppe	Ramanagara		08-January-2018
	20 MW	Kalkare	Mysuru		28-September-2017
	20 MW	Chikkasulikere	Ramanagara		28-March-2018
	20 MW	Akkur	Mysuru		02-October-2017
	20 MW	Vederahalli & Rettanahalli	Tumakuru		27-January-2018
Adani Green Energy (UP) Limited	50 MW	Badanpur	Jhansi	Uttar Pradesh	10-May-2019

The electricity generated by the project is exported to the Unified Indian electricity grid. The project activity therefore displaced an equivalent amount of electricity which would generate by fossil fuel dominant electricity grid. Since Solar power is Greenhouse Gas (GHG) emissions free, the power generated prevents the anthropogenic gas emissions generated by fossil fuel based thermal power stations comprising coal, diesel, furnace oil and gas.

The project activity was commissioned on 28-September-2017, which is the date of first phase (20 MW by Adani Green Energy (UP) limited) of project was commissioned and have been operational since then.

Assessment team confirms following during the verification Remote audit:

1. Start date of the project activity is 28-September-2017 as mentioned in the registered VCS PD & MR /4/.
2. An undertaking letter dated 11-January-2022 has been submitted by PP for double counting with any other GHG program. PP also has given a written Declaration /12/ that project has not claimed other form of GHG credit for the concerned monitoring period. Assessment team also checked that the projects are not registered under the REC mechanism of India and the same can be cross-checked at <https://recregistryindia.nic.in>. PP has given a written Declaration /12/ that the credit claimed under VCS for the current monitoring period is not claimed under any other GHG mechanism.
3. Assessment team confirms that this is the 4th monitoring under VCS and covers the activity from 01-January-2021 to 30-November-2021 (inclusive of both dates). The Crediting Period of the project activity is from 28-September-2017 to 27- September - 2027 which will be renewed twice.

Start date of crediting period for VCS verification: 28-September-2017 (Date of commissioning of plant)

The GHG credits from 01-January-2021 to 30-November-2021 will be claimed under VCS only. At any point of time during the crediting period, the project proponent will abide by the “Double Counting”.

4. Assessment team checked and found that the Project proponent of the project activity is as below for the current monitoring period:

Organization name	Adani Green Energy Limited
Contact person	Mr. Alpesh Gedia
Title	Associate Manager- Business Development
Address	Adani House, Nr Mithakhali Six Roads, Navrangpura, Ahmedabad380009, Gujarat, India
Telephone	+919907534900

Email	alpeshk.gedia@adani.com
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5. Assessment team also checked the details of other entity and found correct. The details are as below:

Organization name	EKI Energy Services Limited
Role in the Project	Project Consultant
Contact person	Manish Dabkara
Title	CEO & MD
Address	EnKing Embassy, Office No 201, Plot 48, Scheme 78, Part 2, VijayNagar, Indore- 452010, Madhya Pradesh, India.
Telephone	+91-731-4289086
Email	registry@enkingint.org;

6. The quantified Emission reduction/7/ calculation for the monitoring period is correct and conservative. Assessment team also compared actual VCUs with the estimated VER and found that the actual VER (1,789,206 tCO₂e) is 25.9% higher than the estimated emission reduction ² (1,421,120 tCO₂e). which is due to natural phenomena and higher PLF which cannot be controlled by the Project Proponent. Further, PP has demonstrated the achieved PLF from each plant and found that PLF achieved during the current monitoring period is lower than the breaching point mentioned in the registered PD & MR /4/for each site of project activity. Verification team observed the same is correct and does not breach the additionality. hence accepted.

2 VERIFICATION PROCESS

2.1 Method and Criteria

Verification Process: The project assessment is based on the “CDM validation and verification standard for project activities, Version 03 /16/ and “VCS standard v4.2 /10/ and program guideline version 4.1 /10/” and is conducted using standard auditing techniques to assess the correctness of the information provided by the project participants. Before the assessment begins, members of the team covering the technical scope(s), sectoral scope(s), and relevant host country experience for evaluating the VCS project activity are appointed.

²Calculated for 334 monitoring days involved.

Once the project is received by the assessment team, the members of the assessment team carried out: -

1. A desk review of the Monitoring report against the registered PD and final Validation report/4/;
2. Follow-up interviews with project participant;
3. The resolution of outstanding issues and the issuance of the final verification report/4/ and opinion.

The prepared verification report/4/ and other supporting documents then undergo an internal quality control at the HQ (Accredited office) before being submitted to the VCS executive board.

In order to ensure transparency , assumptions must be clear and stated explicitly and background material must also be referenced. Applus+ Certification has developed a specific checklist customized for the project. The checklist demonstrates, in a transparent manner, the project criteria (requirements), discussion on each criterion by the assessment team, and the results from validating the identified criteria.

Appointment of the assessment team

According to the sectoral scope / technical area and experience in the sectoral or national business environment, Applus+Certification has composed a project assessment team in accordance with the appointment rules in the internal Quality Management System of Applus+ Certification.

The composition of audit team shall be approved by the Applus+Certification ensuring that the required skills are covered by the team.

The four qualification levels for team members that are assigned by formal appointment rules are as presented below:

- Lead Auditor (LA).
- Auditor (A) / Auditor in Training (AiT).
- Technical Expert (TE).
- Technical Reviewer (TR).

The sectoral scope / technical area knowledge linked to the applied methodology/ies shall be covered by the assessment team.

Name	Role	SS Coverage	TA Coverage	Financial aspect	Host country experience
Dr. Atul Takarkhede	LA/TE	YES	YES	NA	YES
Mr. Simon Shen	TR	YES	YES	NA	NA

The detail regarding the assessment team is provided below in this report as Appendix 3

Document review

The Monitoring report version 1 submitted by the PP was reviewed against the approved methodology, registered PD, final Validation report/4/ and other relevant criteria to verify the correctness, credibility, and interpretation of the presented information. Furthermore, a cross-check between information provided and information from other sources has been done. A complete list of all documents and evidence material reviewed is included in this report below in Appendix 1.

Follow-up interviews

A Remote audit is conducted by Applus+ Certification. Audit team performed interviews, via video/telephone conferences with project stakeholders to confirm selected information and to resolve issues identified in the document review. The detail is provided in this report.

Resolution of Clarification and Corrective Action Request

The objective of this phase of the Verification was to resolve the requests for corrective actions and clarification and any other outstanding issues which need to be clarified for Applus+ Certification positive conclusion on the Monitoring report. The Corrective Action Requests and Clarification Requests raised by Applus+ Certification were resolved during communications between the Client and Applus+ Certification to guarantee the transparency of the verification process, the concerns raised and responses given are summarized below in the appendix 2.

The final MR/6/ Version 03 submitted by PP serves as the basis for the final assessment presented. Additional changes to the project during the verification process are not considered to be significant with respect to the main CDM/VCS objectives. The two CDM/VCS main objectives are the reduction of anthropogenic GHG emissions and the contribution of sustainable development to the host country.

Internal quality control

As final step of a verification of the final documentation including the verification report/4/ and the checklist have to undergo an internal quality control by the technical review committee, i.e. each report has to be finally approved either by the head of the technical review committee or the deputy. In case one of these two persons is part of the assessment team approval can only be given by the other one to avoid any conflict of Interest.

After confirmation of the PP the positive verification opinion and relevant documents are submitted to the VCS board through the VCS web-platform.

2.2 Document Review

The details of the document observed during the verification process are listed below in Appendix 1 of this report

2.3 Interviews

A remote audit was conducted for the project activity on 15-february-2022 . Remote audit was conducted due to ongoing COVID-19 pandemic situation in the entire state of India. Taking into account the rules of relevant national and local authorities (local to the DOE offices as well as to locality of the site visits), World Health Organization (WHO) recommendations, policies of the DOE and other relevant travel restrictions and guidance (for example, a requirement to self-isolate upon return). Moreover, The VCS Program does not explicitly mandate site visits as part of the validation and verification process, only that VVBs must achieve a reasonable level of assurance on all validations and verifications (per Section 4.1.2 of the VCS Standard, v4.1 /10/.

The VVB has taken alternative measures to reach reasonable level of assurance and conducted remote audit through Skype/Telephone with site personal & consultant (refer section 2.3) with the PP representative. This is also in line with the COVID-19 travel guidance for projects of VERRA.

Technical details & metering/monitoring arrangement verified through onsite photographs/name plates and Calibration Certificates/5/ shared by PP. All the documents were cross checked to ensure conservative estimation of Emission reduction/7/.

During the remote audit, the PP representatives were questioned about the implementation of the project activity. Several topics like the verification of commissioning date of meters, the generation, recording, and monitoring of the data and the error accountability were discussed. To cross check the information provided by PP, various documents like technical specifications, commissioning certificates/1/, PPA/9/, JMR /11/ sheets, invoice, Calibration Certificates/5/, s, etc. were also verified. The names of the persons interviewed during remote audit through skype & telephonic interview is given below;

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Gedia	Mr. Alpesh	Adani Green Energy Ltd.	15-february-2022 (Remote Audit)	Project Implementation, JMR & invoicing procedure, calibration, grievance mechanism Management practices, data storage , Mechanical and electrical	Dr. Atul Takarkhede (Team Leader)

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
					maintenance, O&M practices, JMR etc	
2.	Bhalse	Mr. Manish	Local stakeholder Maharashtra		Local Stakeholder Consultations	
3.	Subramanyam	Mr. K	Local stakeholder, Karnataka			
4.	Singh	Mr. Raja	Local stakeholder, Uttar Pradesh			
5.	Kumar	Mr. Shiba	Local stakeholder, Chhattisgarh			
6.	Rathore	Mr. Bhavesh	Local stakeholder, Rajasthan			
7.	Sinha	Ms. Ishani	EKI Energy Services Limited, Consultant		MR and ER preparation, Data collection, data storage, QA/QC GHG calculations, MR and ER preparation, Data collection, data storage, QA/QC Management practices	
3.	Dutta	Mr. Supratik	EKI Energy Services Limited, Consultant			

During the remote audit, the PP representatives/ O & M personal were questioned about the implementation of the project activity. Several topics like the verification of commissioning date of meters, the generation, recording, and monitoring of the data and the error accountability were discussed. Various documents like the JMR /11/ sheets, Invoices /11/, on-site Photographs includes solar PV panels name plates, meter specifications, key Technical specifications/3/ of the major equipment like panel etc. provided to assessment team were verified on skype video call to establish the current status and the implementation of the Project Activity.

2.4 Site Inspections

Duration of on-site inspection: NA				
No.	Activity performed on-site	Site location	Date	Team member
1.	NA	NA	NA	NA

No physical verification was conducted by the DOE for this verification due to threat of COVID-19 in entire state of India. Due to which site visits as expected and planned cannot be done, given the traveling restrictions, the VCS program does not explicitly mandate site visits as part of the validation and verification process during such circumstances, only that VVBs must achieve a reasonable level of assurance on all validations and verifications (per section 4.1.2 of the VCS Standard, v4.2 /10/).

The DOE has taken alternative measures to reach reasonable level of assurance and conducted Remote audit through video call & telephonic interview on 15-February-2022 (refer section 2.3) with the representative of PP and consultants. Further, during interview with PPs, the implementation of project activity and monitoring procedure and systems in place was confirmed. Technical specifications/3/ of the plant verified through the photographs of solar power plant shared by PPs and the same was cross checked with the previous verification report/4/.

After teleconference with PP representatives and verifying the photographs of Solar panels and Calibration Certificates/5/ of meters, verification team confirmed that monitoring procedure is followed as per registered VCS PD & MR /4/ and there is no change in Technical specifications/3/ of plants since installation and all the meters are calibrated in accordance with VCS PD and host country metering guidelines.

2.5 Resolution of Findings

The objective of this phase of the Verification was to resolve the requests for corrective actions and clarification and any other outstanding issues from validation which need to be clarified for Applus+ Certification's positive conclusion on the Monitoring report. The Corrective Action Requests and Clarification Requests raised by Applus+ Certification were resolved during communications between the Client and Applus+ Certification to guarantee the transparency of the verification process, the concerns raised and responses given are summarized below in the appendix 2.

The final MR/6/ Version 2 submitted by PP serves as the basis for the final assessment presented. Additional changes to the project during the verification process are not considered to be significant with respect to the main CDM/VCS objectives. The two CDM/VCS main objectives are the reduction of anthropogenic GHG emissions and the contribution of sustainable development to the host country.

Areas of validation and verification findings	No. of CL	No. of CAR	No. of FAR
Project design document and Monitoring report	00	01	00
Description of project activity	00	01	00
Application of selected baseline and monitoring methodology and selected standardized baseline			
Applicability of methodology and standardized baseline	00	00	00
Deviation from methodology	00	00	00
Clarification on applicability of methodology, tool and/or standardized baseline	00	00	00
Project boundary	00	00	00
Establishment and description of baseline scenario	00	00	00
Demonstration of additionality	00	00	00
Emission reductions	00	01	00
Calibration details	00	01	00
Monitoring plan	00	00	00
No Net harm assessment	00	00	00
Local stakeholder consultation	00	01	00
Others (please specify	00	00	00
Total	00	05	00

The list of findings and the resolution is presented in Appendix 2 of this report.

Forward Action Requests

This is 4th periodic verification of the project activity and no FAR was raised from validation or previous verification and during this verification.

2.6 Eligibility for Validation Activities

This section is not applicable for present verification. as Applus+ Certification holds the accreditation for Validation of projects under this Sectoral Scope.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project is not registered any other GHG programs. The same is confirmed by check the UNFCCC web site. The project activity is not availing any REC benefits and the same can be confirmed from publicly available link of REC generators.

Web-link:

https://www.recregistryindia.nic.in/index.php/general/publics/registered_regens

Further, the project proponent has provided Declaration /12/ undertaking for not availing other forms of environmental credit including REC for the same crediting period under consideration.

3.2 Methodology Deviations

PP has not requested any deviation related to methodology. Thus, this section is not applicable for present verification.

3.3 Project Description Deviations

PP has requested project description deviation related to change in the format of the Joint Meter Reading by their respective State Utilities which is beyond the control of the Project Proponent: -

1. **Chhattisgarh:** The JMR shows the power imported by the state utility (Chhattisgarh State Power Transmission Company Limited, CSPTCL) or in other word the electricity exported by the installation and the same is invoiced monthly by the PP.
2. **Pavagada:** There is no JMR issued by the State Utility for this installation but a Report by the Southern Regional Power Committee which shows the transaction of electricity (export as scheduled) at the Injecting Utility Boundary. Hence the same scheduled value of electricity is used by PP for invoicing as well.

Above requested deviations found totally as per respective state utility practices. Further, also does not impact the project design and additionality of the project activity. Thus accepted by VVB.

3.4 Grouped Project

The project is not a grouped project thus this is not applicable.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

During the Remote audit interviews with PP & plant in-charge and subsequent document verification; commissioning certificates/1/, PPA/9/, JMR /11/ and Invoices /11/, it was concluded that the project is implemented as per the requirement of the registered VCD PD & MR /4/ and approved monitoring plan. During the current monitoring period, it was observed that no unforeseen incident/event evolved which can impact the operation of the project activity which was verified from breakdown records. The project undergone continuous operation and only scheduled maintenance is observed as per the

manufactures specification which is acceptable to the assessment team and evident from JMR /11/s.

The project activity involves total capacity of 990 MW solar power project which are installed in Chhattisgarh, Karnataka, Maharashtra, Rajasthan and Uttar Pradesh states of India are as below.

Name of SPVs	Capacity (MW)	Geo-coordinates	
		Latitude (N)	Longitude (E)
Parampujya Solar Energy Private Limited	100 MW	21° 31' 19.20" N 21° 31' 58.8" N	81° 12' 03.60" E 81° 14' 42.0" E
	20 MW	17° 56' 38.40" N	76° 16' 15.60" E
	100 MW	14° 15' 29.39" N 14° 14' 06.70" N	77° 29' 14.68" E 77° 27' 12.76" E
	40 MW	15° 34' 05.05" N	76° 02' 02.90" E
	50 MW	14° 14' 45.60" N	77° 27' 03.60" E
Wardha Solar (Maharashtra) Private Limited	100 MW	18° 21' 4.62" N	77° 18' 53.02" E
	50 MW	18° 11' 4.62" N	77° 24' 53.02" E
	40 MW	16° 55' 57.28" N	76° 59' 34.58" E
	50 MW	17° 47' 30.96" N	77° 1' 5.07" E
	50 MW	18° 11' 4.62" N	77° 18' 53.02" E
	50 MW	18° 10' 4.62" N	77° 24' 53.02" E
	10 MW	18° 20' 4.62" N	77° 16' 53.02" E
Kodangal Solar Parks Private Limited	20 MW	16° 27' 25.20" N	75° 56' 52.80" E
Prayatna Developers Private Limited	20 MW	27° 26' 39.31" N	71° 58' 1.75" E
Adani Green Energy (UP) Limited	20 MW	12° 13' 51.70" N	77° 03' 38.50" E
	20 MW	14° 41' 48.21" N	75° 29' 18.78" E
	20 MW	12° 49' 54.48" N	76° 12' 50.63" E
	20 MW	13° 16' 57.95" N	76° 25' 17.47" E

	20 MW	12° 50' 16.89" N	77° 58' 58.70" E
	20 MW	12° 37' 12.03" N	77° 07' 40.37" E
	20 MW	12° 40' 48.0" N	76° 35' 42.0" E
	20 MW	12° 25' 48.0" N	76° 11' 02.40" E
	20 MW	16° 49' 01.20" N	76° 33' 00.00" E
	20 MW	13° 00' 54.00" N	77° 13' 30.0" E
	20 MW	12° 48' 18.0" N	77° 09' 25.20" E
	20 MW	13° 24' 43.20" N	76° 45' 36.0" E
Adani Green Energy (UP) Limited	50 MW	25° 22' 02.31" N	78° 18' 30.01" E

Verification team confirmed from the registered PD & MR /4/ and from previous verification report/4/ that the location of the project activity including the coordinates is same as mentioned in the registered VCS PD & MR /4/.

The project boundary includes the electricity generation equipment at the project site, sub-station and the NEWNE grid (now Indian grid).

The Technical specifications/3/ have been verified during remote audit as well as with the Technical specifications/3/ of solar PV and also cross checked from the technical manual of the Manufactures. The technical specification the project activity is given below:

The technical specification for 100 MW solar project by Parampujya Solar Energy Private Limited at Chhattisgarh.

Sl. No.	Technical details of the equipment ³	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72
3	Number of Inverters, Inverter Make & Model	1163 Inverters Huawei/ SUN2000-43kTL-IN-C1

³ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 100 MW.

4	Modules per String	22
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The technical specification for 20 MW solar project by Parampujya Solar Energy Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁴	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Module's capacity and Model	Model capacity- 320 Wp Model- Lion Series
3	Number of Inverters, Inverter Make & Model	465 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22

The technical specification for 100 MW solar project by Parampujya Solar Energy Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁵	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72
3	Number of Inverters, Inverter Make & Model	1163 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22

The technical specification for 40 MW solar project by Parampujya Solar Energy Private Limited at Karnataka.

⁴ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 20 MW.

⁵ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 100 MW.

Sl. No.	Technical details of the equipment ⁶	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- Lion Series
3	Number of Inverters, Inverter Make & Model	931 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	20

The technical specification for 50 MW solar project by Parampujya Solar Energy Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁷	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72
3	Number of Inverters, Inverter Make & Model	1163 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22

The technical specification for 350 MW solar project by Wardha Solar (Maharashtra) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁸	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72

⁶ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 40 MW.

⁷ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 50 MW.

⁸ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 350 MW.

3	Number of Inverters , Inverter Make & Model	1163 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22

The technical specification for 20 MW solar project by Prayatna Developers Private Limited at Rajasthan.

Sl. No.	Technical details of the equipment ⁹	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72
3	Number of Inverters, Inverter Make & Model	466 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	20

The technical specification for 20 MW solar project by Kodangal Solar Parks Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ¹⁰	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Manufacturer	Model capacity- 320 Wp Manufacturer- MSPVL/Suntech
3	Number of Inverters, Inverter Make & Model	465 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22/20

The technical specification for 240 MW solar project by Adani Green Energy (UP) Limited at Karnataka.

⁹ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 20 MW.

¹⁰ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 20 MW.

Sl. No.	Technical details of the equipment ¹¹	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Manufacturer	Model capacity- 117.5 Wp Manufacturer- First Solar
3	Number of Inverters , Inverter Make & Model	466 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	11

The technical specification for 50 MW solar project by Adani Green Energy (UP) Limited at Jhansi, Uttar Pradesh.

Sl. No.	Technical details of the equipment ¹²	Description
1	Technology Used	Solar PV technology (Poly-Crystalline)
2	Modules capacity and Model	Model capacity- 320 Wp Model- JKM 320PP-72
3	Number of Inverters, Inverter Make & Model	1163 Inverters Huawei/ SUN2000-43kTL-IN-C1
4	Modules per String	22

The project was commissioned on 28-September-2017 which is date of commissioning for first 20 MW project activity. Assessment team checked the commissioning certificates/¹¹/ and confirmed that the dates of Commission for the plant sites are correct.

The assessment team confirmed that there is no proposed or actual change to the project design during this monitoring period except project description changes requested by PP. The project design as mentioned in the registered PD & MR /⁴/ is implemented and thus the same is acceptable to the assessment team. All required monitoring equipment's and procedures as mentioned in the registered PD are available and implemented in an appropriate manner.

¹¹ It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 240 MW.

¹² It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 50 MW.

The organisational role and responsibility as mentioned in the registered PD is followed remotely. All the emergency preparedness as mentioned in the registered PD is followed onsite and no discrepancies were found regarding the same. All the monitoring equipment was calibrated once in three year and thus complied with registered monitoring plan.

The project activity fulfilled the contribution of sustainable development to the host country by implementing environmentally friendly technology and creating Employment records /14/ opportunities to the local community. Same is confirmed during Remote audit interviews with PP.

The ex-ante fixed grid emission factor of 0.9475 tCO₂/MWh has been used for the baseline emission calculation which is line with the registered VCS PD & MR /4/.

The quantified Emission reduction/7/ calculation for the monitoring period is correct and conservative. Assessment team also compared actual VER with the estimated VER and found that the actual VER is 25.9% Higher than the estimated Emission reduction/7/ which is due to variations in sunny days, grid availability and other parameters which are not in the control of PP. From the generation data it was observed that the PLF achieved during this monitoring period for all plant site are higher than estimated. As per the Validation report/4/, project becomes non additional if it rises above from breaching point. further PP have also submitted revised IRR sheet with actual PLF achieved during this monitoring period. Assessment team compared the input values provided during validation with input values achieved during the current verification period. Thus, it is concluded that the project activity is still additional though 25.9% higher Emission reduction/7/ achieved as higher PLF does not crosses the breaching point.

All required equipment's and procedures are available and implemented in an appropriate manner.

It was observed that the monitoring plan was implemented as per the requirement of the registered PD, FVR and approved methodology ACM0002 - Version 19. The organisational role and responsibility as mentioned in the registered PD is followed remote. All the monitoring equipment was calibrated as per the specified interval in the registered PD. All the emergency preparedness as mentioned in the registered PD is followed onsite and no discrepancies were found regarding the same.

Further, the project activity has not participated under any other GHG program, apart from Verified Carbon Standard and REC. PP will not claim benefits of carbon emission reduction credits achieved through this project activity under any other GHG programme for the crediting period claimed under VCS. Moreover, the project has not generated any other form of environmental credit and a Declaration /12/ for the same has been submitted to the assessment team and the same is acceptable. The project is not

registered under the REC mechanism of India and the same is cross-checked at <https://recregistryindia.nic.in>.

A declaration /12/ certificate for no other participation in any other GHG Programs for the monitoring period have been submitted for the assessment

Ministry of Environment & Forests, Government of India has stipulated following indicators for sustainable development in the interim approval guidelines for GHG projects.

Social well-being: The project activity instances under grouped project activity have resulted in creating job opportunities for the local population on temporary and permanent basis. Manpower is required both during erection and operation of the renewable energy projects. This would result in the improvement in living standards of the local community. The installation of the renewable energy projects also led to development of basic infrastructure like roads, communication with the nearby cities etc. which also improved in living standards of the local population.

Economic well-being: The project activity involves capital investments, thus leading to the overall development of the region. The project activities lead to enhanced business opportunities for local stakeholders like consultants, suppliers, manufacturers, contractors etc. All this has led to improved financial security and overall development of the region.

Technological well-being: The project activity is a clean and eco-friendly type of power generation in comparison to fossil fuel-based projects. This not only helps reduce environmental pollution but also helps in conserving fossil fuels. Also, the successful operation of project activity has led to promotion of Solar power generation and would encourage other entrepreneurs to participate in similar projects

Environmental well-being:

The project activity utilizes renewable energy for generating electricity which otherwise would have been generated through alternate fuel (most likely - fossil fuel) based power plants, contributing to reduction in specific emissions (emissions of pollutant/unit of energy generated) including GHG emissions. As renewable energy projects produce no end products in the form of solid waste (ash etc.), they address the problem of solid waste disposal encountered by most other sources of power. Being a renewable resource, to generate electricity contributes to resource conservation. Thus, the project causes no negative impact on the surrounding environment.

Social Well Being:

The project is implemented in a rural area that does not have proper roads and other infrastructure facilities. The project activity has augmented infrastructural development like roads etc. in the area, thus benefitting local communities. The project activity leads to enhanced direct and indirect Employment records /14/ opportunities at all levels from unskilled to skilled workers.

In view of the above, the PP has considered that the project activity profoundly contributes to the sustainable development. Moreover, PP also mentioned SDG contribution made by project activity in table 1 under monitoring report. However, VVB doesn't demanded any records to verify the same, as it is applicable from 2025.

4.2 Safeguards

4.2.1 No Net Harm

No potential environment or socio-economic matter was found during the documents review of VCS PD and Grievance Register /14/etc. The project is renewable energy project and thus no negative impact observed due to project activity.

4.2.2 Local Stakeholder Consultation

Local stakeholder consultation has been conducted at the time of project registration. For on-going stakeholders' communication, PP have maintained feedback/complaint register at the site office. Assessment team checked the copies of grievance registers submitted by PP which are available at sites and found that local stakeholders can anytime lodge their grievances if any in the register over the operational life time of the project. During interviews with PP, it was confirmed that Site Manager/In-charge is responsible to address any grievances received from stakeholders. During current monitoring period no grievance was received. Thus, assessment team is of the opinion that the on-going stakeholder mechanism is adequate and appropriate.

4.3 AFOLU-Specific Safeguards

This section is not applicable as this project activity is a non-AFOLU project activity.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

Means of verification	The verification team assessed whether the data and calculations of GHG Emission reduction/7/ achieved resulting from the VCS PD. The verification team has checked whether calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the monitoring plan of the VCS PD.
Findings	CAR 04 and CAR 05 was raised during the verification process and closed successfully. Please refer Appendix 2 of this report for the detail closure of the CAR.
Conclusion	Baseline Emissions: The baseline Emissions for a given year is calculated by multiplying the energy baseline with the grid emission factor. The grid in this case would be the 'Indian Grid'

	Formula Used:- $BE_y = EG_{PJ,y} * EF_{grid,CM,y}$ Where , BE_y = Baseline Emissions (tCO₂/year) $EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the VCS project activity in year y (MWh/yr). $EF_{grid,CM,y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO₂e/MWh). Ex-ante Parameter: $EF_{grid,OM,y}$ = Operating Margin CO₂ emission factor in year y. Parameter is fixed ex-ante for the entire crediting period and as per the validated VCS PD same is fixed 0.9726 tCO₂/MWh. Verification team found same was used in the ER calculations $EF_{grid,BM,y}$ = Build Margin CO₂ emission factor in year y . Parameter is fixed ex-ante for the entire crediting period and as per the validated VCS PD same is fixed 0.8723 tCO₂/MWh. Verification team found same was used in the ER calculations $EF_{grid,CM,y}$ = Combined Margin CO₂ emission factor in year y . Parameter is fixed ex-ante for the entire crediting period and as per the validated VCS PD same is fixed 0.9475 tCO₂/MWh. Verification team found same was used in the ER calculations. $EF_{grid,CM,y}$, $EF_{grid,BM,y}$, $EF_{grid,OM,y}$ were mentioned as ex-ante fixed parameter. Assessment team checked the values, source of data, choice of data, purpose of the data mentioned in the MR/6/ from the registered VCS PD & MR /4/ and confirms that the similar approach was considered for the current monitoring period also. <u>Ex-post parameter:</u> As per the registered monitoring plan and requirement of the registered methodology following parameters needs to be monitored: For Karnataka Site:- $EG_{PJ,y}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (MWh/yr) As per requested description deviation, the value of net electricity generation supplied to the grid as per Monthly electricity credit report or Joint Meter
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	Reading Report forms the basis for calculation of the Emission reduction/7/; which can be cross checked from the invoice raised to DISCOM. The JMR (Report by the Southern Regional Power Committee) shows transaction of electricity (export as scheduled) at the Injecting Utility Boundary. Hence the same scheduled value of electricity is used by PP for invoicing as well. The source of data is therefore in accordance to registered VCS PD & MR /4/ and thus acceptable to the assessment team. Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated energy meter (electronic tri-vector bidirectional main meter & check meter which measures both export & import concurrently) installed at the delivery point (i.e. the connected substation). Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent during the billing cycle for each month of the monitoring period. During current monitoring period, Total Net electricity exported to the grid is 1,527,687.48 MWh, same is inline with the JMR /11/ and ER sheet. For Rajasthan Site:- EG_{P,y}: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (MWh/yr) Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated energy meter (electronic tri-vector bidirectional main meter & check meter which measures both export & import concurrently) installed at the metering point. Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent during the billing cycle for each month of the monitoring period. Further, net generation is cross checked with the sales Invoices /11/, and assessment team observed net generation value mentioned in the invoice is conservative to the JMR /11/. Thus, same is used to calculate Emission reduction/7/. During current monitoring period, Total Net electricity exported to the grid is 43,231.20 MWh, same is inline with the ER sheet. For Chhattisgarh Site:- EG_{P,y}: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (MWh/yr)
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	As per requested description deviation, the value of net electricity generation supplied to the grid as per Monthly electricity credit report or Joint Meter Reading Report forms the basis for calculation of the Emission reduction/7/; which can be cross checked from the Invoices /11/ raised to DISCOM. The source of data is therefore in accordance to registered VCS PD & MR /4/ and thus acceptable to the assessment team. Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated energy meter (electronic tri-vector bidirectional main meter & check meter which measures both export & import concurrently) installed at the connected substation. Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent during the billing cycle for each month of the monitoring period. During current monitoring period, Total Net electricity exported to the grid is 199,380.128 MWh, same is in line with the JMR /11/ and ER sheet. For Maharashtra Site:- EG_{PJ,y}: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (MWh/yr) Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated energy meter (electronic tri-vector bidirectional main meter & check meter which measures both export & import concurrently) installed at the metering point. Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent during the billing cycle for each month of the monitoring period. Further, net generation is cross checked with the sales Invoices /11/, and assessment team observed net generation value mentioned in the invoice is conservative to the JMR /11/. Thus, same is used to calculate Emission reduction/7/. During current monitoring period, Total Net electricity exported to the grid is 38,230.050 MWh, same is inline with the ER sheet. For Uttar Pradesh Site:- EG_{PJ,y}: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (MWh/yr)
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	Net electricity supplied to grid is calculated as the difference of the measured values of “export” and “import” of electricity through the dedicated energy meter (electronic tri-vector bidirectional main meter & check meter which measures both export & import concurrently) installed at the metering point. Monthly meter readings are taken from the main and check meter installed at the substation and certified by the representatives of SEB Officials and the representatives of the project proponent during the billing cycle for each month of the monitoring period. Further, net generation is cross checked with the sales Invoices /11/, and assessment team observed net generation value mentioned in the invoice is conservative to the JMR /11/. Thus, same is used to calculate Emission reduction/7/. During current monitoring period, Total Net electricity exported to the grid is 79,935.417 MWh, same is inline with the ER sheet. The Net electricity generation from the Solar plant is thus correct. All the parameters are monitored and recorded as per the monitoring plan in the registered PD. The verification team has crosschecked the revised Emission reduction/7/ sheet and monitoring report data with the JMR /11/ sheet and invoice bills and found all the values are matching. Apportioning methods are used for month of April 2017. Apportioning is carried out by subtracting DGR data for the period beyond monitoring period. Same found appropriate and correct. The assessment team has checked JMR /11/ sheets, breakup sheets, revised MR/6/ and ER sheet and found acceptable. Moreover, for solar power project (Green field renewable project) as per the registered PD and approved methodology ACM0002 Version 19, project emission is zero for the current monitoring period. The calculation approach as described above is used for baseline emission calculation only. As project emission is zero thus Emission reduction/7/ for current monitoring period is baseline emission for the current monitoring period. The project activity involves in harnessing Solar power. So, the emissions from the project are zero. As per the applied methodology, emission reductions are calculated as follows: $ER_y = BE_y - PE_y$ Where: ER_y = Emission reductions in year y (tCO₂e/yr)
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BE_y = Baseline emissions in year y (tCO₂e/yr)

PE_y = Project emissions in year y (tCO₂e/yr)=0

Hence, ER_y = BE_y

BE_y = 1888464.27893 x 0.9475

= 1,789,206 tCO₂e (round down values)

Year-wise ER calculations is as below:

Year	Net Electricity Export (MWh)	Baseline Emission Factor (tCO ₂ /MWh)	Baseline Emissions (tCO ₂)
01-January-2021 to 30-November-2021	1888464.27893	0.9475	1,789,206

PE_y = As per ACM0002 - Version 19, all renewable energy power generation project activities, emissions due to the use of fossil fuels for the backup generator can be neglected. As the project activity involved Solar project emissions (PE_y) are taken as zero.

Leakage: As per ACM0002 - Version 19, Leakage emissions are not considered for the project activity.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

Means of verification	The verification team checked the Calibration details of the monitoring meters with the Calibration Certificates/5/.
Findings	CAR 05 was raised during the verification process. The description of the CAR and its closure is described below in Appendix 2 of this report.
Conclusion	The metering arrangement is tri-vector bi-directional energy meters accuracy class 0.2s (main and check) at the respective State Electricity Board (SEB) substation. These meters record several parameters including electricity exported & imported. These electricity meters are being used by state electricity board for JMR /11/ (Joint Meter Reading) electricity generation statements. No delayed calibrations were observed in the project activity for this monitoring period. All the meters are of same accuracy class i.e., 0.2s as per the requirement of the registered PD. On-site photographs and interview during Remote audit with O&M personnel also confirms the same.

	During commissioning/1/ of the solar plant monitoring meters of accuracy class i.e., 0.2s were installed. The meters are monitored continuously & cumulative readings are taken at the end of the month by joint meter reading procedure. These are sealed by State Utilities to avoid malfunctioning with meter readings. Meter is calibrated once in 5 years by the meter testing division of the state utility in the presence of O&M Contractor / investor's representatives and State Utilities officials to ensure the working of meter within permissible limits. The calculation of net electricity supplied to grid is under purview of state electricity board and PP does not have control on it. Calibration details of the monitoring meters checked with Calibration Certificates/5/ submitted by PP and found that calibration frequency of 5 years is complied. Thus, no delayed calibration is observed and thus the same is found appropriate. The break down log is checked and there is no major Breakdown /13/ during the monitoring period. No unforced error observed.
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4.6 Non-Permanence Risk Analysis

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
NA	NA	NA	NA	NA

5 VERIFICATION CONCLUSION

Applus+ Certification has been engaged by Adani Green Energy Ltd. to perform the 4th periodical verification of the "RENEWABLE SOLAR POWER PROJECT BY ADANI GREEN ENERGY LIMITED".

The management of Adani Green Energy Ltd. is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project's Monitoring Plan in the registered VCS PD & MR /4/ and the applied methodology ACM0002 - Version 19.

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. Further, the verification has been planned and organized to achieve a Reasonable Level of assurance as per the requirement of VCS. No sampling procedure applied for document verifications. The entire documents checked/Power plant verification conducted to arrive at positive verification conclusions. The verification team can confirm that:

- the project is operated as planned and described in the project document;
- the monitoring plan is as per the applied methodology;
- the monitoring process in Monitoring Report is as per the joint PD & MR /4/.
- the development and maintenance of records and reporting procedures are in accordance with the monitoring plan;
- the installed equipment being essential for generating Emission reduction/7/ runs reliably and is calibrated appropriately;
- the monitoring system is in place and generates GHG Emission reduction/7/ data;
- the GHG emission reductions are calculated without material misstatements.
- A Reasonable Level of assurance was achieved as planned, during verification process.
- Verification period: 01-January-2021 to 30-November-2021 (inclusive of both days)

Verified GHG Emission reduction/7/ and removals in the above verification period:

Year	Baseline emissions or removals (tCO ₂ e) ¹³	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
01-January-2021 to 30-November-2021	1,789,206	0	0	1,789,206
Total	1,789,206	0	0	1,789,206

¹³Rounddown values

APPENDIX 1: DOCUMENTS REVIEWED OR REFERENCED (VERIFICATION)

No.	Author	Title	References to the document	Provider
1.	Respective State Utility	Commissioning certificates of the solar power plant sites issued by respective state utility.	NA	PP
2.	Applis	Contract of the project participant with the DOE	Contract document signed between PP and DOE	PP
3.	NA	The operational lifetime of the project activity from the manufacturer = (Technical specifications)	Manufacturer technical specifications	PP
4.	Verra	Registered joint PD & MR https://registry.verra.org/app/projectDetail/VCS/1815 Final Validation report Previous 3 rd verification report	Version 02, dated 11-January-2019 Version 02, dated 05-February-2019 Version 03, Dated 09-August-2021	PP
5.	NA	Calibration Certificates/5/ of energy meters	NA	PP
6.	PP	MR version 01 MR version 02 MR Version 03	21-March-2022 01-April-2022 21-April-2022	PP
7.	PP	Emission reduction sheet version 01 Emission reduction sheet version 02	21-March-2022 01-April-2022	PP
8.	PP	O & M Agreement	-	PP
9.	PP	Power Purchase Agreement (PPA)	-	PP
10.	VCS UNFCCC	Tools/ guidelines used in the project activity - Glossary of CDM terms version 07 - VCS standard Version 4.2 - VCS Program Guide 4.0 - VCS verification report template version 4.1	UNFCCC CDM/VCS web site	UNFCCC
11.	Respective state utility	Monthly statement- JMR & invoices for the complete monitoring period	-	PP
12.	PP	Declaration regarding no participation in other GHG program for the concerned monitoring period	11-January-2022	PP
13.	PP	Breakdown details for the monitoring period	-	PP

No.	Author	Title	References to the document	Provider
14.	PP	Employment records for plant persons	-	PP
15.	PP	Grievance Register maintained at site	-	PP
16.	UNFCCC	CDM validation and verification standard for project activities, Version 03.0	-	UNFCCC
17.	PP	Breakdown details of the power plant	-	PP

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

Verification Findings

Project Implementation Status

CL ID	00	Section no.		Date: 04-March-2022
Description of CL				
NA				
Project participant response				Date: DD-Month-2022
NA.				
Documentation provided by project participant				
NA				
DOE assessment				Date: DD-Month-2022
NA				

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

FAR ID	XX	Section no.	E.2	Date : DD/MM/YYYY
Description of FAR				
There is no FAR from the validation/previous verification of the project activity				
Project participant response				Date : DD/MM/YYYY
NA				
Documentation provided by project participant				
NA				
DOE assessment				Date: DD/MM/YYYY
NA				

Table 2. CL from this verification

CL ID	00	Section no.		Date: 04-March-2022
Description of CL				
NA				
Project participant response				Date: DD-Month-2022
NA.				
Documentation provided by project participant				
NA				
DOE assessment				Date: DD-Month-2022
NA				

Table 3. CAR from this verification

Project Implementation Status

CAR ID	01	Section no.	4.1	Date: 04-March-2022
Description of CAR				
During review of monitoring report following inconsistencies observed: 1.Title of authorized ministry for providing indicators of sustainable development in throughout the Monitoring report is not in line with Host country webpage. Thus, corrective action sought. 2.PP requested to submit copies of technical specifications of solar PV modules and Inverter,O&M agreement, PPA & Breakdown sheet of the project activity. Kindly submit. 3.Section 1.1 of monitoring report is not inline with the VCS MR template version 4.1. Thus, Corrective action sought. 4. PP has mentioned commissioning date of project activity in section 1.1 of monitoring report, however to verify the same, supporting documents is missing. PP is requested to submit it to assessment team. Kindly submit				
Project participant response				Date : 21-March-2022
1. The title of authorized ministry for providing indicators of sustainable development in throughout the Monitoring report version 02 now submitted to the DOE for further assessment has been corrected and made consistent in line with Host country webpage. 2. The copies of technical specifications of solar PV modules and Inverter, O&M agreement, PPA & Breakdown sheet now submitted to the DOE for further assessment. 3. The Section 1.1 of the Monitoring report version 02 now submitted to the DOE for further assessment has been updated and in line with VCS MR template version 4.1. 4. The Commissioning Certificates are now submitted to the DOE for further assessment.				
Documentation provided by project participant				
1. Revised MR (v02) 2.Technical specifications of solar PV modules and Inverter, 3. PPA 4. Major Breakdown sheet				
DOE assessment				Date: 08-April-2022

1. PP has revised the title of authorized ministry for providing indicators of sustainable development throughout in Monitoring report version 02 to the assessment team and made consistent in line with Host country webpage. Thus, CAR is closed.
2. Following documents submitted by PP to DOE:
 - i) Brochures for technical specifications of solar PV modules and Inverter.
 - ii) Operation and maintenance agreement.
 - iii) Power purchase agreement between PP and respective state electricity board.
 - iv) Major breakdown sheets.

Above all documents consistent with project activity and current monitoring period.
Thus, accepted to assessment team and CAR is closed.
3. Section 1.1 of monitoring report is now inline with the VCS MR template version 4.1 and made now description has been made under one page. Thus, CAR is closed.
4. Commissioning certificate provided for all installed solar PV modules at various sites in states of India. which is issued by respective state electricity or central solar energy board of India which is inline with the project activity and accepted to assessment team. Thus, CAR is closed.

CAR ID	02	Section no.	4.1	Date: 04-March-2021
Description of CAR				
PP is requested to submit an undertaking for no double accounting for current monitoring period and for project activity is participated in other GHG program other than VCS. Thus CAR is closed.				
Project participant response				Date: 21-March-2022
The undertaking for no double accounting for current monitoring period and for project activity is participated in other GHG program other than VCS is now submitted to the DOE for further assessment.				
Documentation provided by project participant				
VCS Declaration/Undertaking				
DOE assessment				Date: 08-April-2022
PP has submitted "No Double Counting" undertaking dated 11-January-2022 and confirmed that no double counting of GHG reduction will be claimed for current monitoring period to the DOE. Thus , CAR thus closed.				

CAR ID	03	Section no.	4.2.2	Date: 04-March-2021
Description of CAR				
PP requested to submit records for ongoing local stakeholder consultation including grievance register etc. to assessment team. Kindly submit				
Project participant response				Date: 21-March-2022
A copy of the grievance Register depicting the ongoing local stakeholder consultation is now submitted to the DOE for further assessment.				
Documentation provided by project participant				
Grievance register				
DOE assessment				Date: 08-April-2022
PP has provided the grievance register for ongoing local stakeholder consultation and information found inline with the document submitted and interviews with PP. CAR thus closed				

Accuracy of GHG Emission Reduction and Removal Calculations

CAR ID	04	Section no.	4.4	Date: 04-March-2021
Description of CAR				

1.PP has submitted Emission Reduction sheet to assessment team. For verifying same kindly submit JMRs and sales invoices relevant to current monitoring period of project activity. 2.Mathematical sum of net export of electricity generation for each site mentioned in the monitoring report is not matching with the total net export electricity generation EG _{pi,y} mentioned in section 5.1 of monitoring report. Thus, Corrective action sought.	
Project participant response	Date: 21-March-2022
1.The JMRs and sales invoices relevant to current monitoring period of project activity are now submitted to the DOE for further assessment. 2.The mathematical summation error pertaining to net export of electricity generation for each site mentioned and the total net export electricity generation EG _{pi,y} mentioned in section 5.1 has been corrected in MR version 02 now submitted to the DOE for further assessment.	
Documentation provided by project participant	
1. JMR 2. Invoices 3. MR version 02	
DOE assessment	Date: 08-April-2022
1.PP has submitted all JMRs & invoices for the current monitoring period and the values of net electricity supplied is found consistent. Hence accepted. CAR is Closed. 2. The mathematical summation error pertaining to net export of electricity generation for each site mentioned and the total net export electricity generation EG _{pi,y} mentioned in section 5.1 now has been made consistent in MR version 02. Thus accepted and CAR is Closed.	

Quality of Evidence to Determine GHG Emission Reductions and Removals

CAR ID	05	Section no.	4.5	Date: 04-March-2021
Description of CAR				
PP has provided detailed information of metering equipment like serial number, make, calibration date and validity of calibration and calibration frequency which is provided in MR. However, to verify same, supporting documents of electricity meters and calibration certificate for monitoring period is missing.				
Project participant response				Date: 21-March-2022
The supporting Meter Calibration Certificates of all electricity meters involved in the project activity are now submitted to the DOE for further assessment.				
Documentation provided by project participant				
Meter Calibration Certificates				
DOE assessment				Date: 08-April-2022
PP has submitted JMR/Invoices of all plants along with calibration certificates which are still valid since installation of all the plants. Validity of calibration certificates is 5 years and valid during the current monitoring period. Hence, CAR is Closed.				

Table 4. FAR from this verification

FAR ID	XX	Section No.		Date : DD-Month-YYYY
Description of FAR				
There is no FAR from this verification				
Project participant response				Date : DD-Month-YYYY
NA				
Documentation provided by project participant				
NA				
DOE assessment				Date: DD-Month-YYYY
NA				

APPENDIX 3: COMPETENCE OF TEAM MEMBERS AND TECHNICAL REVIEWERS

Verification team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Verification findings
1.	Lead Auditor/Technical Expert	OR	TAKARKHEDE	ATUL	TQC-Outsourced entity	Yes	No	Yes	Yes

Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer (TR) / Technical Expert (TE)	EI	Shen	Simon	Applus+ Certification
2.	Approver	IR	Calle de Miguel	Agustin	Applus+ Certification

Short CVs of the Team:

- Dr. Atul Takarkhede counts with 9 years of experience in field of Environmental Auditing, consulting and accreditation. He is an Expert in ISO 9001-14001, CO2/GHG Reporting, Carbon Foot Print, Energy, Water and Waste Management Reporting for organizations environmental performance. His professional portfolio is mainly related with carrying out EIA, conducting QA/QC of EIA Reports; Conducting Environmental/water Audits; NABET requirements appliance. Furthermore, he counts with solid experience on CDM-VCS-GS consultancy and auditing. He has Ph.D. (Environmental Science) from Institute of Science,

RTM Nagpur University, Nagpur, and he has already published different technical reports related to environmental science.

2. Mr. Simon Shen (Master Degree in Thermal Energy Engineering, Bachelor Degree in Environmental Engineering) is a Lead Auditor appointed by Applus+ LGAI for the GHG project assessment. He is based in Shanghai. He has several years of work experience in environmental protection field. Before he joined Applus+ LGAI, he had been worked for TÜV SÜD as a GHG Validator/Assessment team and ISO 9001/14001 Lead Auditor for 3.5 years.

APPENDIX 4: ABBREVIATIONS

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction(s)
CEA	Central Electricity Authority
CL	Clarification request
CM	Combined Margin
CMS	Central Monitoring system
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DNA	Designated National Authority
DOE	Designated Operational Entity
DR	Document Review
EF	Emission Factor
EIA	Environmental Impact Assessment
ER	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GWP	Global Warming potential
PP	Project Participant

APPENDIX 5: CALIBRATION DETAILS OF THE METERS

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
Parampujya Solar Energy Private Limited	Chhattisgarh	Main Meter: CSE52107 ¹⁴	0.2s	04-February-2021	03-February-2026	No Delay in scheduled calibration observed
		Check Meter: CSE52108 ¹⁵	0.2s	04-February-2021	03-February-2026	
		Main Meter: XE554165	0.2s	14-December-2017	13-December-2022	
		Check Meter: CSE52109 ¹⁶	0.2s	03-February-2021	02-February-2026	
	Kilaj, Maharashtra	Main Meter: 02832472	0.2s	07-February-2018	06-February-2023	
		Check Meter: 02832473	0.2s	07-February-2018	06-February-2023	
	Pavagada, Karnataka	T2P5 Main Meter 17117921	0.2s	20-August-2019	19-August-2024	

¹⁴ Meter Replaced on 08 March 2021; Details of new meter: SI. No. CSE52107: Make: SECURE; Type: R3E, Accuracy class: 0.2s;

¹⁵ Meter Replaced on 08 March 2021; Details of new meter: SI. No. CSE521078 Make: SECURE; Type: R3E, Accuracy class: 0.2s;

¹⁶ Meter Replaced on 08 March 2021. Details of new meter : SI. No.: CSE52109; Make: SEMS; Type: R3E, Accuracy class: 0.2s;

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
		T2P5 Check Meter 17117922	0.2s	20-August-2019	19-August-2024	
		T2P6 Main Meter 17117919	0.2s	20-August-2019	19-August-2024	
		T2P6 Check Meter 17117920	0.2s	20-August-2019	19-August-2024	
		R1P11 Main Meter 17117925	0.2s	20-August-2019	19-August-2024	
		R1P11 Check Meter 17117929	0.2s	20-August-2019	19-August-2024	
		R1P12 Main Meter 17117923	0.2s	20-August-2019	19-August-2024	
		R1 P12 Check Meter 17117924	0.2s	20-August-2019	19-August-2024	
		T2P09 Main Meter 17117883	0.2s	20-August-2019	19-August-2024	
		T2P09 Check Meter 17117894	0.2s	20-August-2019	19-August-2024	
		T2P10 Main Meter 17117809	0.2s	20-August-2019	19-August-2024	
		T2 P10 Check Meter 17117859	0.2s	20-August-2019	19-August-2024	
	Kallur, Karnataka	Main Meter 17051235	0.2s	23- October- 2018	22-October- 2023	

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
		Check Meter 17117851	0.2s	23-October-2018	22-October-2023	
Wardha Solar (Maharashtra) Private Limited	Madhuvanahalli, Karnataka	Main Meter 17010230	0.2s	29-June-2019	28-June-2024	
		Check Meter 17002967	0.2s	29-June-2019	28-June-2024	
		Main Meter 17117916	0.2s	29-June-2019	28-June-2024	
		Check Meter 17117908	0.2s	29-June-2019	28-June-2024	
	Maskal, Karnataka	Main Meter 17117793	0.2s	10-December-2018	09-December-2023	
		Check Meter 17117794	0.2s	10-December-2018	09-December-2023	
	Nalwar, Karnataka	Main Meter 17069 221	0.2s	04-September-2019	03-September-2024	
		Check Meter 17069179	0.2s	04-September-2019	03-September-2024	
	Rajeshwar & Handral, Karnataka	Main Meter 16113406	0.2s	22-September-2021 ¹⁷	21-September-2026	
		Check Meter 16113453	0.2s	22-September-2021 ¹⁸	21-September-2026	

¹⁷ Previously calibrated at the time of commissioning on 29-January-2018.

¹⁸ Previously calibrated at the time of commissioning on 29-January-2018.

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
	Rastapur, Karnataka	Main Meter 17069189	0.2s	28-April-2017	27-April-2022	
		Check Meter 17069203	0.2s	28-April-2017	27-April-2022	
	Yetnal, Karnataka	Main Meter 17010229	0.2s	08-March-2019	07-March-2024	
		Check Meter 17115543	0.2s	08-March-2019	07-March-2024	
	Shorapur, Karnataka	Main Meter 16113314	0.2s	20-July-2020	19-July-2025	
		Check Meter 16102162	0.2s	20-July-2020	19-July-2025	
Kodangal Solar Parks Private Limited	Bagewadi, Karnataka	Main Meter 17117910	0.2s	28-December-2021 ¹⁹	27-December-2026	
		Check Meter 17117915	0.2s	28-December-2021 ²⁰	27-December-2026	
Prayatna Developers Private Limited	Kanasar, Rajasthan	Main Meter RJB 90451	0.2s	01-December-2019	30-November-2024	
		Check Meter RJB 90452	0.2s	01-December-2019	30-November-2024	
		Main Meter RJB 90453	0.2s	01-December-2019	30-November-2024	

¹⁹ Previously calibrated at the time of commissioning on 05-January-2018.

²⁰ Previously calibrated at the time of commissioning on 05-January-2018.

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
		Check Meter RJ B 90454	0.2s	01-December-2019	30-November-2024	
Adani Green Energy (UP) Limited	Byadagi,Haveri, Karnataka	Main Meter 17115575	0.2s	10-Februray-2022 ²¹	09-February-2027	
		Check Meter 17115581	0.2s	10-Februray-2022 ²²	09-February-2027	
	Chanapatana, Karnataka	Main Meter 16113303	0.2s	21-January-2021	20-January-2026	
		Check Meter 16113423	0.2s	21-January-2021	20-January-2026	
	Gubbi, Karnataka	Main Meter 17117830	0.2s	24-January-2020	23-January-2025	
		Check Meter 17117909	0.2s	24-January-2020	23-January-2025	
	Holenarasipura, Karnataka	Main Meter 17117831	0.2s	05-February-2020	04-February-2025	
		Check Meter 17117835	0.2s	05-February-2020	04-February-2025	

²¹ Previously calibrated at the time of commissioning on 30-January-2018.

²² Previously calibrated at the time of commissioning on 30-January-2018.

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
	Jewargi, Karnataka	Main Meter 17117797	0.2s	09-February-2021 ²³	08-February-2026	
		Check Meter 17117798	0.2s	09-February-2021 ²⁴	08-February-2026	
	K. R. Pet, Karnataka	Main Meter 17117852	0.2s	12-January-2022 ²⁵	11-January-2027	
		Check Meter 17117857	0.2s	12-January-2022 ²⁶	11-January-2027	
	Malur, Karnataka	Main Meter 17115582	0.2s	16-October-2017	15-October-2022	
		Check Meter 17115571	0.2s	16-October-2017	15-October-2022	
	Magadi, Karnataka	Main Meter 17117800	0.2s	27-May-2019	26-May-2024	
		Check Meter 17117801	0.2s	27-May-2019	26-May-2024	
	Periyapatna, Karnataka	Main Meter 21004958 ²⁷	0.2s	28-September-2021	27-September - 2026	

²³ Previously calibrated at the time of commissioning on 18-November-2017

²⁴ Previously calibrated at the time of commissioning on 18-November-2017

²⁵ Previously calibrated at the time of commissioning on 22-December-2017

²⁶ Previously calibrated at the time of commissioning on 22-December-2017

²⁷ The main and check meters were replaced on 28-September-2021. Hence Calibration validity has been calculated from this date

Main Meter: Make: L&T; Accuracy Class: 0.2s; Check Meter: Make: L&T; Accuracy Class: 0.2s;

Name of SPVs	Location	Meter Details	Accuracy Class of Meter	Date of Calibration	Due date of calibration	Calibration Compliance
		Check Meter 21005086	0.2s	28-Septemer-2021	27-September - 2026	
		Main Meter 17117842	0.2s	28-March-2018	27- March - 2023	
	Ramanagara, Karnataka	Check Meter 17117863	0.2s	28-March-2018	27- March - 2023	
		Main Meter 17071202	0.2s	31-January-2020	30-January-2025	
	T.Narasipura, Karnataka	Check Meter 17071210	0.2s	31-January-2020	30-January-2025	
		Main Meter 16193103	0.2s	19-December-2018	18-December-2023	
	Tiptur, Karnataka	Check Meter 15197803	0.2s	19-December-2018	18-December-2023	
		Main Meter 17075544	0.2s	25-June-2021	24-June-2026 ²⁸	
Adani Green Energy (UP) Limited	Jhansi, Uttar Pradesh	Check Meter 17075556	0.2s	25-June-2021	24-June-2026 ²⁹	

²⁸ The Main and Check Meter were changed after due calibration on 25 June 2021, accordingly validity has been changed to 24-June-2025. Details of the meters is as follows:

Main Meter: Sl. No.: 17075544; Make: L&T; Model: ER300P; Accuracy class: 0.2s; Check Meter: : Sl. No.: 17075556; Make: L&T; Model: ER300P; Accuracy class: 0.2s

²⁹ The Main and Check Meter were changed after due calibration on 25 June 2021, accordingly validity has been changed to 24-June-2025. Details of the meters is as follows:

Main Meter: Sl. No.: 17075544; Make: L&T; Model: ER300P; Accuracy class: 0.2s; Check Meter: : Sl. No.: 17075556; Make: L&T; Model: ER300P; Accuracy class: 0.2s