



Renewable Solar Power Project by ReNew Solar Power Private Limited



Document Prepared By

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

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Summary:

Verification purpose: LGAI Technological Center S.A. (Applus+ Certification) (Hereafter referred as Applus+ Certification) has been appointed^{/2/} by “M/s. ReNew Solar Power Private Limited” to perform the 5th verification (01-January-2022 to 30-June-2022) of the “Renewable Solar Power Project by ReNew Solar Power Private Limited” (VCS ID 1851)^{1/4/}. The main purpose of this verification activity is to have an independent third party for the assessment of the project design, monitoring report to ensure a thorough assessment of the project activity against the applicable VCS requirements.

The purpose of the project activities to generate energy electricity by the utilization of Solar energy and further selling the generated energy to the Indian grid. The power (electricity) thus produced by the project activity would be transmitted to Indian electricity grid. Therefore, the project activity is displacing an equivalent amount of electricity which would have been otherwise generated in fossil fuel dominant electricity grid. The project activity is installation of 927 MW Solar power project, promoted by ReNew Solar Power Private Limited.

The project activity involves total capacity of 927 MW solar power project which are installed in Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India. The solar projects have been developed by the SPVs of ReNew Solar Power Private Limited.

The Project Activity was commissioned in phase-wise manner and 1st set of WTGs were commissioned on 13-February-2017.)^{01/}. The monitoring period for this VCS verification is 01-January-2022 to 30-June-2022 (including both days) and the project activity achieved 944,966 tCO₂e emission reductions during this monitoring period thereon displaced 997,326.639 MWh amount of electricity from the generation-mix of power plants connected to the Indian Grid, which is mainly dominated by thermal/fossil fuel-based power plant.

The scope of the verification is the independent and objective review of the Monitoring Report (MR)^{/6/}. 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 for project activities, version 03.0^{/15/}, review against registered VCS PD & MR^{/5/} and Final Validation report, CDM validation and verification standard for project activities, version 03.0^{/14/}, VCS program guide version 4.2^{/9/} and VCS Standard Version 4.3^{/9/}

A risk-based approach has been followed to perform this verification activity. In the course of verification, 05 Corrective Action requests (CAR), 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.

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

¹ <https://registry.terra.org/app/projectDetail/VCS/1851>

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

LGAI Technological Center S.A. (Applus+ Certification) (Hereafter referred as Applus+ Certification) has been appointed by “ReNew Solar Power Private Limited” to perform the 5th verification of the “Renewable Solar Power Project by ReNew Solar Power Private Limited” under VCS Project guide, version 4.2 and VCS standard, version 4.3. The objective of this verification activity is to have an independent third party for the assessment of the project design, Monitoring Report and Final ER Sheet 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 /¹⁶/
- The project's monitoring plan is assessed against “ACM0002, version 19.0 /¹⁶/
- 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 program guide, version 4.2 and VCS standard, version 4.3
- CDM validation and verification standard for project activities, Version 03.0/¹⁴/
- VCS program guide version 4.2/⁹/
- VCS standard version 4.3/⁹/

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 carbon units.

1.2 Scope and Criteria

The scope is defined as an independent and objective review of the Monitoring report (MR)/⁶/ prepared as per the registered VCS PD & MR/⁵/ and registered approved methodology ACM0002, version 19.0 /¹⁶/. 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, version 4.3 and programme guide, version 4.2, including the approved baseline and monitoring methodology ACM0002, version 19.0. The verification was based on the requirements in the CDM validation and verification standard for project activities, Version 03.0 and VCS program guide version 4.2 and VCS Standard Version 4.3.

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. It follows the paper trail back to the raw data such as meter reading records and invoices. 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/¹/, technical specification/¹⁷/, , Share Certificates /¹⁰/, invoices/¹⁰/, grievance register/¹³/ 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 to verify metering/monitoring arrangement 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 19.0 and the VCS Standard, version 4.3.

1.4 Summary Description of the Project

The project activity is a Solar-based power generation project. The project activity involves installation of 927 MW solar power project which are installed in Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India. The Project activity is promoted by ReNew Solar Power Private Limited. The monitoring period this VCS verification covered from 01-January-2022 to 30-June-2022 (inclusive of both dates) and the project activity achieved 944,966 tCO₂e emission reductions during this monitoring period. The start date of the Project Activity is 13-February-2017 as 1st set of SPVs were commissioned on this date. Assessment team checked the Commissioning status of the project activity with the commissioning Certificates and found correct. The project is implemented as per the description in the registered VCS PD & MR/⁵/. No event observed during the current monitoring period which can alter or deviate from the methodology requirement.

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 03.0, VCS standard, version 4.3, VCS program guide version 4.2 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.

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/^{06/} against the registered VCS PD & MR and final validation report/^{4/5/};
2. Follow-up interviews with project participant;
3. The resolution of outstanding issues and the issuance of the final verification report and opinion.

The prepared verification report 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
Mr. Pankaj Kumar	LA/TE	YES	YES	NA	YES
Mr. Srikanth Meesa	TR	YES	YES	NA	YES

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

Document review

The Monitoring report version 01/06/ submitted by the PP was reviewed against the approved methodology/^{16/}, approved registered VCS PD & MR/^{05/}, final validation report and other relevant criteria to verify the correctness, credibility, and interpretation of the presented information.

Further, 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 was conducted by LGAI Technological Center S.A. (Applus+ Certification) who performed interviews, 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 in the below sections.

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 Version 03/06/ 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 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 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 08-August-2022. Though COVID 10 pandemic situation now eases and travel restrictions are more or less lifted, VVB decided to skip the onsite visit to avoid any potential health risks. Moreover, The VCS Program does not explicitly mandate remote audits as part of the validation and verification process, only that VVBs must achieve a reasonable level of assurance on all validations and verifications (as per Section 4.1.2 of the VCS Standard, version 4.3)

The VVB has taken alternative measures to reach reasonable level of assurance and conducted remote audit through video conferencing with site personal & consultant (refer section 2.3) with the PP representative.

Technical details & metering/monitoring arrangement verified through onsite photographs/name plates and calibration certificates shared by PP. All the documents were cross checked to ensure conservative estimation of emission reduction.

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 equipments, generation records, 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, PPA, Plant records, Energy Generation Record sheets, invoice, calibration certificates etc. were also verified. The names of the persons interviewed during remote audit through video conferencing is given below;

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Sharma	Aditya	ReNew Solar Power Private Limited.	08-August-2022	Project Implementation, JMR & invoicing procedure, calibration, grievance mechanism, Management practices, data storage, QA/QC	Mr. Pankaj Kumar
2.	Gowda	V.B.	Villager			
3.	Singh	Nahar	Villager			
4.	Patidar	Gulab	Villager		Stakeholder consultation. Grievance mechanism	
5.	Patel	Hiren	Villager		Stakeholder consultation. Grievance mechanism	

6.	Ghose	Bibhushita	EKI Energy Services Limited		GHG calculations, MR and ER preparation, Data collection, data storage, QA/QC	
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2.4 Site Inspections

Remote Audit (Video Conferencing): 08-August-2022				
No.	Activity performed on-site	Site location	Date	Team member
1.	Assessment team checked the implementation of the project, Baseline emission, Emission reduction calculation, technical description of the project and Monitoring. Assessment team also checked that whether the monitoring plan as described in the VCS PD is actually practised onsite. Also, assessment team checked any change in host country criteria which may affect the baseline of the project activity.	Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India.	08-August-2022	Mr. Pankaj Kumar

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 verification 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 Version 03/06/ 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

Areas of validation and verification findings	No. of CL	No. of CAR	No. of FAR
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.

2.5.1 Forward Action Requests

This is 5th verification of the project activity and no FAR was raised from validation and previous verifications.

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 has neither been registered nor seeking registration under any other GHG programs. The project is registered only in VCS program. PP has provided undertaking that in current monitoring period, it does not claim GHG emission reduction credits in any GHG program other than that in VERRA. There is no double counting of GHG emission reduction.

3.2 Methodology Deviations

This section is not applicable for present verification as no methodology deviation sought during this verification and also in the earlier verifications by project participant

3.3 Project Description Deviation

From January-2020 onwards, REA statements are being issued for the SPV- Renew Wind Energy (TN2) Private Limited, 50 MW Pavagada site. But the source of data for the generation data was Form-B. Hence, the generation data 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 role to play in it. Therefore, PP applied for deviation from the source of data for generation from the registered VCS PD & MR.

The above-mentioned deviation was approved during the previous verification and the same is being followed during the current verification period. It is to be noted that, due to this deviation, there is no any impact on the applicability of the methodology, additionality or the baseline scenario of the project activity.

3.4 Grouped Project

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

4. VERIFICATION FINDINGS

4.1 Project Implementation Status

During the remote audit, it was concluded that the project is implemented as per registered VCS PD & MR and this is verified from the commissioning certificates, Power purchase agreement (PPA) submitted. During the current monitoring period it was observed that no unforeseen situation evolved which can impact the operation of the project activity. The same was verified through the shutdown details/^{15/} of the project activity submitted. Scheduled maintenance was carried out as per the instruction of the manufacturer and the same is acceptable to the assessment team.

Project location is confirmed by the assessment team through interview with PP during remote audit and assessment of monitoring report. Assessment team also checked the technical details of the project site containing latitude and longitude of the project site and confirmed that the details as mentioned in the registered VCS PD & MR are correct.

The project activity is located in Gujarat, Karnataka, Madhya Pradesh, Rajasthan and Telangana states of India. The details of the project locations are mentioned in the table below.

Name of SPVs	Capacity (MW)	Village(s)	Tehsil / Mandal	District	State
Bhumi Prakash Private Limited	20 MW	Hirebudur	Deodurga	Raichur	Karnataka

Renew Wind Energy (MP Four) Private Limited	20 MW	Chincholi	Chincholi	Kalaburagi	
Renew Agni Power Private Limited	20 MW	Upparhosahalli	Siruguppa	Ballari	
Renew Wind Energy (Karnataka 3) Private Limited	20 MW	Ladha	Bhalki	Bidar	
Tarun Kiran Bhoomi Private Limited	20 MW	Gola (B)	Aland	Kalaburagi	
Renew Wind Energy (Karnataka 4) Private Limited	20 MW	Nirna	Humnabad	Bidar	
Renew Wind Energy (Budh 3) Private Limited	20 MW	Santhpur near Eklara	Aurad	Bidar	
Renew Wind Energy (Budh 3) Private Limited	20 MW	Nirna	Humnabad	Bidar	
Renew Wind Energy (Budh 3) Private Limited	20 MW	Wadagere & Aikur	Shahapur	Yadagir	
Renew Wind Energy (Maharashtra) Private Limited	20 MW	Saidapur & Malhar	Yadagir	Yadagir	
Renew Wind Energy (Rajasthan Four) Private Limited	20 MW	Gundikaval	Turuvekere	Tumkur	
Renew Wind Energy (MP Three) Private Limited	20 MW	Kattige	Honnali	Davangere	
Renew Saur Urja Private Limited	50 MW	Thalekhan	Lingasugur		
Renew Wind Energy (TN2) Private Limited	50 MW	Thirumani, Rayacherlu, Vallur, Balasamudra, Kyataganacherlu	NagalamadikeHobli, Pavagada	Tumkur	
Renew Solar Energy (Karnataka Two) Private Limited	40 MW	Charanka	Santalpur	Patan	Gujarat
Renew Clean Energy Private Limited	51 MW	Bhensarwas	Shadora	Ashok Nagar	Madhya Pradesh

Aalok Solarfarms Limited	10 MW	Badisid	Bap	Jodhpur	Rajasthan
Abha Solarfarms Limited	10 MW	Badisid	Bap	Jodhpur	
Heramba Renewables Limited	20 MW	Hanawat Nagar	Bap	Jodhpur	
Shreyas Solarfarms Limited	20 MW	Khetusar Nagar	Bap	Jodhpur	
ReNew Solar Energy (Telangana) Private Limited	143 MW	Dharamaraopet & Kankal	Sadasivanagar	Nizama bad	Telangana
Renew Mega Solar Power Pvt Limited	48 MW	Andugulapet	Mandamarri	Adilaba d	
Renew Saur Shakti Private Limited	30 MW	Vangara	Bheemdevarapally	Karimn agar	
Renew Saur Shakti Private Limited	65 MW	Minpur	-	Medak	
Renew Wind Energy (TN2) Private Limited	100 MW	Gudibanda	Addakal	Mahab ubnaga r	
Prathamesh Solarfarms Limited	50 MW	Dodaguntapally	Peddmandadi	Mahab ubnaga r	

. The geo-coordinates of location of the project activity are as follows:

Name of SPVs	Capacity (MW)	Latitude	Longitude
Bhumi Prakash Private Limited	20 MW	16.3° N	76.8° E
Renew Wind Energy (MP Four) Private Limited	20 MW	17.4° N	77.4° E
Renew Agni Power Private Limited	20 MW	15.5° N	76.9° E
Renew Wind Energy (Karnataka 3) Private Limited	20 MW	18° 0'5.81"N	77° 18'32.57"E
Tarun Kiran Bhoomi Private Limited	20 MW	17.4° N	76.7° E
Renew Wind Energy (Karnataka 4) Private Limited	20 MW	17.7° N	77.3° E
Renew Wind Energy (Budh 3) Private Limited	20 MW	18° 11'47.91"N	77° 26'46.34"E
Renew Wind Energy (Budh 3) Private Limited	20 MW	17.75° N	77.35° E
Renew Wind Energy (Budh 3) Private Limited	20 MW	16.6° N	77.0° E
Renew Wind Energy (Maharashtra) Private Limited	20 MW	16.6° N	77.3° E
Renew Wind Energy (Rajasthan Four) Private Limited	20 MW	13.2° N	76.8° E

Renew Wind Energy (MP Three) Private Limited	20 MW	14.3° N	75.6° E
Renew Saur Urja Private Limited	50 MW	15°53'53" N	76°33'26" E
Renew Wind Energy (TN2) Private Limited	50 MW	14.237 N	77.486 E
Renew Solar Energy (Karnataka Two) Private Limited	40 MW	23°54'56.45" N	71°12'4.79" E
Renew Clean Energy Private Limited	51 MW	24.03117°N	76.667943°E
Aalok Solarfarms Limited	10 MW	27.4° N	72.4° E
Abha Solarfarms Limited	10 MW	27.4° N	72.4° E
Heramba Renewbles Limited	20 MW	27.4° N	72.1° E
Shreyas Solarfarms Limited	20 MW	27.3° N	71.9° E
ReNew Solar Energy (Telangana) Private Limited	143 MW	N 18.6°	E 78.3°
Renew Mega Solar Power Pvt Limited	48 MW	N 18.985290°	E 79.446397°
Renew Saur Shakti Private Limited	30 MW	18.1° N	79.4° E
Renew Saur Shakti Private Limited	65 MW	17° 57.951' N	78° 03.968' E
Renew Wind Energy (TN2) Private Limited	100 MW	16.6°N	77.9°E
Prathamesh Solarfarms Limited	50 MW	16°25'12" N	78°4'40.80" E

The commissioning schedule/^{1/} of the respective WTGs are as follows:

Name of SPVs ²	Capacity in MW	Date of Commissioning	Connection with Grid	State	Usage
Bhumi Prakash Private Limited	20 MW	26-September-2017	Indian Grid	Karnataka	Sale to State Discom
Renew Wind Energy (MP Four) Private Limited	20 MW	28-April-2017			Sale to State Discom
Renew Agni Power Private Limited	20 MW	31-March-2017			Sale to State Discom
Renew Wind Energy (Karnataka 3) Private Limited	20 MW	27-March-2017			Sale to State Discom
Tarun Kiran Bhoomi Private Limited	20 MW	31-March-2017			Sale to State Discom

² The SPV names mentioned in the table are in accordance with their respective Commissioning Certificates.

Renew Wind Energy (Karnataka 4) Private Limited	20 MW	31-March-2017			Sale to State Discom
Renew Wind Energy (Budh 3) Private Limited	20 MW	16-March-2018			Sale to 3rd Party
Renew Wind Energy (Budh 3) Private Ltd	20 MW	09-March-2018			Sale to 3rd Party
Renew Wind Energy (Budh 3) Private Limited	20 MW	30-December-2017			Sale to 3rd Party
Renew Wind Energy (Maharashtra) Private Limited	20 MW	13-October-2017			Sale to State Discom
Renew Wind Energy (Rajasthan Four) Private Limited	20 MW	07-December-2017			Sale to State Discom
Renew Wind Energy (MP Three) Private Limited	20 MW	11-November-2017			Sale to State Discom
Renew Saur Urja Private Limited	50 MW	26-May-2017			Sale to 3rd Party
Renew Wind Energy (TN2) Private Limited	50 MW	14-December-2017			Sale to NTPC Limited
Renew Solar Energy (Karnataka Two) Private Limited	40 MW	31-March-2017		Gujarat	Sale to SECI Limited
Renew Clean Energy Private Limited	51 MW	01-October-2017		Madhya Pradesh	Sale to State Discom
Aalok Solarfarms Limited	10 MW	06-November-2017		Rajasthan	Sale to NTPC Limited
Abha Solarfarms Limited	10 MW	17-October-2017			Sale to NTPC Limited
Heramba Renewables Limited	20 MW	10 MW on 17-October-2017			Sale to NTPC Limited
		10 MW on 28-October-2017			
Shreyas Solarfarms Limited	20 MW	17-November-2017			Sale to NTPC Limited

ReNew Solar Energy (Telangana) Private Limited	143 MW	44 MW on 28-April-2017		Telangana	Sale to State Discom
		17.6 MW on 16-May-2017			
		44 MW on 22-June-2017			
		15.4 MW on 03-July-2017			
		22 MW on 12-July-2017			
Renew Mega Solar Power Private Limited	48 MW	24 MW on 13-February-2017			Sale to State Discom
		24 MW on 21-February-2017			
Renew Saur Shakti Private Limited	30 MW	8 MW on 14-February-2017			Sale to State Discom
		10 MW on 04-March-2017			
		6 MW on 30-March-2017			
		4.5 MW on 30-May-2017			
		1.5 Mw on 11-June-2017			
Renew Saur Shakti Private Limited	65 MW	58 MW on 29-May-2017			Sale to State Discom
		7 MW on 07-July-2017			
Renew Wind Energy (TN2) Private Limited	100 MW	01-November-2017			Sale to NTPC Limited
Prathamesh Solarfarms Limited	50 MW	20-September-2017			Sale to State Discom
Total	927 MW				

The start date of the project is 13-February -2017 which is the first date of commissioning of the first SPVs of the plant.

Verification team confirmed from the registered VCS PD & MR ^{/5/} and from previous verification reports^{/4/} that the location of the project activity including the coordinates is same as mentioned in the registered VCS PD & MR^{/5/}.

Assessment team checked the commissioning certificates^{/1/} and confirmed that the dates of commissioning for the SPVs are correct. Assessment team also conformed during interview with the PPs representatives that there is no change in project design and the project is implemented as per the description provided in the VCS PD & MR.

The project boundary includes the electricity generation equipment at the project site, substation and Indian grid.

Assessment team also checked, the technical details^{/17/} of SPVs installed, during remote audit from documents submitted by PP and previous verification reports. The same is cross checked from the photographs of SPVs, sub-station metering locations etc.^{/18/} submitted by PP & also cross checked from the technical details from Manufacturer.

The technical details of the project activity are provided below.

The technical specification for 20 MW solar project by Bhumi Prakash Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ³	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp No. of Modules- 21, 21
2	Number of Inverters & Capacity	20 Inverters Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 15/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (MP Four) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁴	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp No. of Modules- 21
2	Number of Inverters & Capacity	20 Inverters

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 20 MW.

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.

		Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Agni Power Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁵	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp & 325 Wp No. of Modules- 21,21,21
2	Number of Inverters & Capacity	465 Inverters Capacity- 0.043 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Karnataka 3) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁶	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp & 325 Wp No. of Modules- 21,21,21
2	Number of Inverters & Capacity	465 Inverters Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Tarun Kiran Bhoomi Private Limited at Karnataka.

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 20 MW.

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 20 MW.

Sl. No.	Technical details of the equipment ⁷	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp No. of Modules- 21,21
2	Number of Inverters & Capacity	8 Inverters Capacity- 2.5 MW
3	Number of Transformers & Capacity	4 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Karnataka 4) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ⁸	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp & 325 Wp No. of Modules- 20,20,20
2	Number of Inverters & Capacity	20 Inverters Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Budh 3) Private Limited at Eklara site in Karnataka.

Sl. No.	Technical details of the equipment ⁹	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp & 330 Wp No. of Modules- 20,20,20
2	Number of Inverters & Capacity	8 Inverters Capacity- 2.52 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 20 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 20 MW.

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.

3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA
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The technical specification for 20 MW solar project by Renew Wind Energy (Budh 3) Private Limited at Nirna site in Karnataka.

Sl. No.	Technical details of the equipment ¹⁰	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp & 330 Wp No. of Modules- 20,20,20
2	Number of Inverters & Capacity	8 Inverters Capacity- 2.52 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Budh 3) Private Limited at Wadagere site in Karnataka.

Sl. No.	Technical details of the equipment ¹¹	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp & 330 Wp No. of Modules- 20,20,20
2	Number of Inverters & Capacity	30 Inverters Capacity- 0.68 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 15/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Maharashtra) Private Limited at Karnataka

Sl. No.	Technical details of the equipment ¹²	Description
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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.

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 20 MW.

¹²It 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.

1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp& 325Wp No. of Modules- 21,21,21
2	Number of Inverters & Capacity	30 Inverters Capacity- 0.68 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 15/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (Rajasthan Four) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ¹³	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp& 325Wp No. of Modules- 21,21
2	Number of Inverters & Capacity	20 Inverters Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 16/20 MVA

The technical specification for 20 MW solar project by Renew Wind Energy (MP Three) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ¹⁴	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp& 330Wp No. of Modules- 21,21,21
2	Number of Inverters & Capacity	20 Inverters Capacity- 1 MW
3	Number of Transformers & Capacity	5 transformer of 4 MVA 1 transformer of 15/20 MVA

The technical specification for 50 MW solar project by Renew Saur Urja Private Limited at Karnataka.

¹³It 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.

¹⁴It 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 ¹⁵	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp& 325Wp No. of Modules- 21,42,21
2	Number of Inverters & Capacity	23 Inverters of 1 MW 24 Inverters of 1.125 MW
3	Number of Transformers & Capacity	6 transformer of 4.5 MVA 5 transformer of 4 MVA 1 transformer of 3 MVA 2 transformers of 20/25 MVA

The technical specification for 50 MW solar project by Renew Wind Energy (TN2) Private Limited at Karnataka.

Sl. No.	Technical details of the equipment ¹⁶	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp, 330 Wp, 340 Wp& 345 Wp No. of Modules- 19,21,21,21,21
2	Number of Inverters & Capacity	20 Inverters of 2.5 MW
3	Number of Transformers & Capacity	10 transformers of 5 MVA 2 transformers of 20/25 MVA

The technical specification for 40 MW solar project by Renew Solar Energy (Karnataka Two) Private Limited at Gujarat.

Sl. No.	Technical details of the equipment ¹⁷	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp& 325 Wp No. of Modules- 20,20,20
2	Number of Inverters & Capacity	40 Inverters of 1 MW

¹⁵It 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.

¹⁶It 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.

¹⁷It 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.

3	Number of Transformers & Capacity	10 transformers of 4 MVA 2 transformers of 16/20 MVA
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The technical specification for 51 MW solar project by Renew Clean Energy Private Limited at Madhya Pradesh.

Sl. No.	Technical details of the equipment ¹⁸	Description
1	Modules capacity and No. of Module	Model capacity- 117.5 Wp No. of Modules- 32
2	Number of Inverters & Capacity	6 Inverters of 2.5 MW 12 Inverters of 3 MW
3	Number of Transformers & Capacity	6 transformers of 6 MVA 3 transformers of 5 MVA 2 transformers of 25/30 MVA

The technical specification for 10 MW solar project by Aalok Solarfarms Limited at Rajasthan.

Sl. No.	Technical details of the equipment ¹⁹	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp No. of Modules- 20
2	Number of Inverters & Capacity	10 Inverters of 1 MW
3	Number of Transformers & Capacity	5 transformers of 2 MVA

The technical specification for 10 MW solar project by Abha Solarfarms Limited at Rajasthan.

Sl. No.	Technical details of the equipment ²⁰	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp No. of Modules- 20
2	Number of Inverters & Capacity	10 Inverters of 1 MW
3	Number of Transformers & Capacity	5 transformers of 2 MVA

¹⁸It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 51 MW.

¹⁹It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 10 MW.

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

The technical specification for 20 MW solar project by Heramba Renewbles Limited at Rajasthan.

Sl. No.	Technical details of the equipment ²¹	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp No. of Modules- 20
2	Number of Inverters & Capacity	10 Inverters of 1 MW
3	Number of Transformers & Capacity	10 transformers of 2 MVA

The technical specification for 20 MW solar project by Shreyas Solarfarms Limited at Rajasthan.

Sl. No.	Technical details of the equipment ²²	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp No. of Modules- 20
2	Number of Inverters & Capacity	10 Inverters of 1 MW
3	Number of Transformers & Capacity	10 transformers of 2 MVA

The technical specification for 143 MW solar project by ReNew Solar Energy (Telangana) Private Limited at Telangana.

Sl. No.	Technical details of the equipment ²³	Description
1	Modules capacity and No. of Module	Model capacity- 310 Wp, 315 Wp, 320 Wp & 325 Wp No. of Modules- 21,21,21,21
2	Number of Inverters & Capacity	130 Inverters of 1 MW
3	Number of Transformers & Capacity	31 transformers of 4.4 MVA 3 transformers of 2.2 MVA 3 transformers of 40/50 MVA

The technical specification for 48 MW solar project by Renew Mega Solar Power Private Limited at Telangana.

²¹It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 10 MW.

²²It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 10 MW.

²³It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 143 MW.

Sl. No.	Technical details of the equipment ²⁴	Description
1	Modules capacity and No. of Module	Model capacity- 310 Wp, 315 Wp& 320 Wp No. of Modules- 21,21,21
2	Number of Inverters & Capacity	48 Inverters of 1 MW
3	Number of Transformers & Capacity	12 transformers of 4 MVA 2 transformers of 25/30 MVA

The technical specification for 30 MW solar project by Renew Saur Shakti Private Limited at Telangana.

Sl. No.	Technical details of the equipment ²⁵	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp No. of Modules- 21
2	Number of Inverters & Capacity	30 Inverters of 1 MW
3	Number of Transformers & Capacity	7 transformers of 4 MVA 1 transformers of 2 MVA 1 transformers of 25/30 MVA

The technical specification for 65 MW solar project by Renew Saur Shakti Private Limited at Telangana.

Sl. No.	Technical details of the equipment ²⁶	Description
1	Modules capacity and No. of Module	Model capacity- 315 Wp, 320 Wp& 325 Wp No. of Modules- 42,84,42
2	Number of Inverters & Capacity	65 Inverters of 1 MW
3	Number of Transformers & Capacity	16 transformers of 4 MVA 1 transformers of 1 MVA 1 transformers of 25/30 MVA

²⁴It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 48 MW.

²⁵It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 30 MW.

²⁶It is to be noted that in future there is possibility of change in module configuration, however project capacity in total will remain same as 65 MW.

		1 transformers of 40/50 MVA
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The technical specification for 100 MW solar project by Renew Wind Energy (TN2) Private Limited at Telangana.

Sl. No.	Technical details of the equipment ²⁷	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp, 325 Wp& 330 Wp No. of Modules- 60,60,60
2	Number of Inverters & Capacity	28 Inverters of 2.5 MW 30 Inverters of 1 MW
3	Number of Transformers & Capacity	6 transformers of 4 MVA 3 transformers of 2 MVA 14 transformers of 5 MVA 2 transformers of 40/50 MVA

The technical specification for 50 MW solar project by Prathamesh Solar farms Limited at Telangana.

Sl. No.	Technical details of the equipment ²⁸	Description
1	Modules capacity and No. of Module	Model capacity- 320 Wp& 325 Wp No. of Modules- 20,20
2	Number of Inverters & Capacity	50 Inverters of 1 MW
3	Number of Transformers & Capacity	12 transformers of 4 MVA 2 transformers of 1 MVA

The assessment team confirmed that there is no proposed or actual change to the project design during this monitoring period. The project design as mentioned in the registered PD 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.

²⁷It 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.

²⁸It 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 VCS PD is followed onsite confirmed during remote audit. All the emergency preparedness as mentioned in the VCS registered VCS PD & MR is followed onsite and no discrepancies were found regarding the same. Meters are calibrated as per calibration frequency in registered VCS PD & MR. All the emergency preparedness as mentioned in the registered PD is followed onsite and no discrepancies were found regarding the same. Thus, completeness of the monitoring plan confirmed and there are no any material discrepancies between the actual monitoring system and the plan provided in the registered VCS PD & MR.

CAR 01 was raised for the inconsistency with respect to MR template guidelines and CAR 02 was raised for supporting evidences for No-Double counting and closed successfully after proper response of PP.

Assessment team confirms following during the verification remote audit:

1. Start date of the project activity is 13-February-2017 as mentioned in the registered VCS PD & MR.
2. An undertaking letter dated 31-August-2022 has been submitted by PP for no double counting with any other GHG program. PP also has given a written declaration that project has not claimed other form of GHG credit for the concerned monitoring period. PP has given a written declaration that the credit claimed under VCS for the current monitoring period is not claimed under any other GHG mechanism^{/11/}.
3. Assessment team confirms that this is the 5th monitoring under VCS and covers the activity from 01-January-2022 to 30-June-2022 (inclusive of both dates). The project activity adopts renewable crediting period of 10-year period

The GHG credits from 01-January-2022 to 30-June-2022 will be claimed under VCS only. At any point of time during the crediting period, the project proponent will abide by the “No Double Counting”^{/11/}.

4. Assessment team checked and found that the Project proponent of the project activity mentioned in Section 1.3 of monitoring report is correct^{/5//6/}
5. Assessment team also checked the details of other entity mentioned in Section 1.4 of monitoring report and found correct.
6. The quantified emission reduction calculation for the monitoring period is correct and conservative. Assessment team also compared actual VCUs with the estimated VCUs and found that the actual VCUs are 944,966 tCO₂e which is 7.83% higher than the estimated emission reductions 876,377 tCO₂e (1,767,281 tCO₂e/365 days x 181 days) during this monitoring period which is due to high Solar availability during the monitoring period which is a natural phenomenon and beyond the control of the Project Proponent and also the increase is within the sensitivity limit considered in the additionality as specified in the approved VCS joint PD & MR. Hence, this change will not affect the additionality of the project. The VVB confirms that these doesn't have impact on additionality and it is below the bench march. Hence accepted.

Sustainable development indicators

As a part of regional development efforts associated with the project, PP has supported many education, health & infrastructure related needs for local people. These are funded from the revenue generated from the operation of the project activity. In the absence of project activity, there would be no revenue generated from the project and hence the activity would have not occurred in the absence of the project activity.

Thus, the project activity contributes to the sustainable development of the country.

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/^{13/} etc. The project is renewable energy project and thus no negative impact observed due to project activity.

The project activity promotes environmental and socio-economic well-being as it results in zero GHG emissions due to installation and operation of clean, renewable energy technology for electricity generation. The report on “Developmental Impacts and Sustainable Governance Aspects of Renewable Energy Projects” prepared by MNRE dated September 2013²⁹ mentions that solar/Wind power project activity operations do not result in direct air pollution, noise pollution. Moreover, also as per the Central Pollution Control Board of India notification³⁰ solar/wind project falls under White Category and are practically non-polluting. Assessment team checked and found this appropriate.

4.2.2 Local Stakeholder Consultation

Local stakeholder consultation has been conducted at the time of project registration. For on-going stakeholder's communication, PP have maintained grievance register/^{13/} at the site office. All the stakeholders are happy with the implementation and operation of the project activity and no negative comments envisaged for the project activity. Complaint/suggestion/feedback register is maintained at site as a part of ongoing communication with stakeholders in line with clause 3.16.17 of VCS Standard, version 4.3 and appropriate actions taken time to time by PP.

Assessment team checked the grievance register provided by PP and found that local stakeholders can anytime lodge their grievances if any in the register over the operational life time of the project. During current monitoring period no grievance was received. Thus, assessment team is of the opinion that the ongoing stakeholder mechanism is adequate and appropriate. CAR 03 was raised during the verification process and closed successfully. Please refer Appendix 2 of this report for the detail closure of the CAR.

²⁹ <https://smartnet.niua.org/sites/default/files/resources/report-on-developmental-impacts-of-RE.pdf>

³⁰ <https://cpcb.nic.in/openpdffile.php?id=TGF0ZXN0RmlsZS9MYXRlc3RfMTE4X0ZpbmFsX0RpcmVjdGlvbnMucGRm>

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 reductions achieved resulting from the MR. 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 registered VCS PD& MR /5/
Findings	CAR 04 was raised during the verification process and closed successfully. Please refer Appendix 2 of this report for the detail closure of the CAR.
Conclusion	As per the registered VCS PD & MR and applied methodology, Formula used to calculate achieved emission reduction is as follow; Emission Reductions are calculated as follows: $ER_y = BE_y - PE_y - LE_y$ Where: ER_y = Emission reductions in the year y (tCO₂e/yr) BE_y = Baseline emissions in the year (tCO₂e/yr) PE_y = Project emissions in the year y (tCO₂e/yr) As per registered PDD, the build margin and operating margin CO₂ emission factor of Indian grid is taken from Central Electricity Authority: CO₂ Emission Database CEA CO₂ Baseline database Version 13. Thus, $EF_{grid,BM,y} = 0.8723 \text{ tCO}_2/\text{MWh}$ $EF_{grid, OM, y} = 0.9726 \text{ tCO}_2/\text{MWh}$ & $EF_{grid,CM,y} = 0.9475 \text{ tCO}_2/\text{MWh}$ The baseline emissions are calculated as below, $BE_y = EG_{PJ, y} \times EF_{grid, CM, y}$ Where; BE_y: Baseline emissions in year y (tCO₂/yr) $EG_{PJ, y}$: Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM 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)

To calculate $EG_{PJ,y}$:

$$EG_{PJ,y} = EG_{PJ,y,KA} + EG_{PJ,y,GJ} + EG_{PJ,y,MP} + EG_{PJ,y,RJ} + EG_{PJ,y,TL}$$

For Karnataka Sites:

$EG_{PJ,y,KA}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (For the Karnataka site)

The net electricity supplied to the grid is calculated as the difference between the total electricity supplied to the grid and 115% of the total electricity imported from the grid i.e.

$$EG_{PJ,y,KA} = \text{Export (MWh)} - 115\% * \text{Import (MWh)} \quad (\text{Where applicable})$$

$$= 356,528.63 \text{ MWh}$$

For Gujarat sites:

$EG_{PJ,y,GJ}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (For the Gujarat site)

The net electricity supplied to the grid is calculated as the difference between the total electricity supplied to the grid and total electricity imported from the grid i.e.

$$EG_{PJ,y,GJ} = \text{Export (MWh)} - \text{Import (MWh)} = 45,339.231 \text{ MWh}$$

For Madhya Pradesh Sites:

$EG_{PJ,y,MP}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (For the Madhya Pradesh site)

The net electricity supplied to the grid is calculated as the difference between the total electricity supplied to the grid and total electricity imported from the grid i.e.

$$EG_{PJ,y,MP} = \text{Export (MWh)} - \text{Import (MWh)} = 59,783 \text{ MWh}$$

For Rajasthan Sites:

$EG_{PJ,y,RJ}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (For the Rajasthan site)

The net electricity supplied to the grid is calculated as the difference between the total electricity supplied to the grid and total electricity imported from the grid i.e.

$$EG_{PJ,y,MP} = \text{Export (MWh)} - \text{Import (MWh)} = 72,466.662 \text{ MWh}$$

For Telangana Sites:

$EG_{PJ,y,TL}$: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y in MWh (For the Telangana site)

The net electricity supplied to the grid is calculated as the difference between the total electricity supplied to the grid and total electricity imported from the grid i.e.

$EG_{PJ,y,TL} = \text{Export} - \text{Import (MWh)} = 463,209.112 \text{ MWh}$

Hence:

$EG_{PJ,y} = 356,528.63 + 45,339.231 + 59,783 + 72,466.662 + 463,209.112$

$EG_{PJ,y} = 997,326.639 \text{ MWh}$

Total Baseline emission for the Monitoring period:

Parameter	Unit	Value
$EG_{PJ,y}$	MWh	997,326.639
$EF_{grid,CM,y}$	tCO ₂ e/MWh	0.9475
BE_y	=	$997,326.639 * 0.9475$
	=	944,966 (Round down)

$BE_y = 944,966 \text{ tCO}_2\text{e}$ (Round down value)

Monitored Parameters

$EG_{PJ,y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y. The value monitored is 997,326.639 MWh.

The net electricity supplied to grid is cross checked with share certificate issued by Joint meter reading or Credit Note provided by State Utility and invoices/sales record to confirm the consistency and found ok.

The verification team has checked the entire monthly JMR reports for net electricity generated & supplied to the grid and crosschecked same with the invoices^{11/} raised by PP towards State Utilities for the monitoring period. All values are found correct. All the parameters are monitored and recorded as per the monitoring plan in the MR.

The calculations/measurement of net electricity supplied to grid is under purview of state electricity board and the PP/Project activity Instance owner has no role on it. PP/Project activity Instance owner gets value of net electricity supplied to grid and hence this parameter is mentioned as a part of monitoring plan

The net electricity supplied the grid by the project activity during the monitoring period is 997,326.639MWh.

All relevant monitoring parameters have been verified with regard to the appropriateness of the applied measurement/determination method, the correctness of the values applied for ER calculation, the accuracy, and applied QA/QC measures.

Baseline emission factor is calculated as combined margin, consisting of a combination of operating margin (OM) and build margin (BM) factors.

	BE_y (baseline emissions), tCO₂e BE_y = 997,326.639MWh * 0.9475 tCO₂e/MWh = 944,966 tCO₂e (round down values) As per applied methodology ACM0002 of version 19.0, the VCS PD, project emission is considered zero as the project activity involved Soar power generation^{16/}. PE_y (Project emission) = As per ACM0002 of version 19.0, 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 power project emissions (PE_y) are taken as zero. Leakage: As per ACM0002 of version 19.0, Leakage emissions are not considered for the project activity. Hence, ER_y = BE_y - PE_y = 944,966 - 0 = 944,966 tCO₂e (round down values) Verification team confirms that the monitoring has been carried out in accordance with the monitoring plan contained in the approved VCS PD & MR. Assessment team confirmed that the GHG emission reductions and removals have been quantified correctly in line with the approved VCS PD & MR.
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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.
Findings	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	Assessment team has checked calibration certificates and found that meters are calibrated and calibration is valid for current monitoring period. The calibration frequency mentioned in registered VCS PD & MR is Once in 5 years. however, the concerned authority has carried out calibration earlier which is acceptable. Meters are calibrated as per the standard procedures and documents for the same are maintained throughout. The responsibilities and authorities of project management, data handling and recording, measurement methods and QA/QC procedure have been systematically established and formalized and the same was verified during the remote audit. Remote audit and interview with site personnel also confirms that the operational and organizational chart as mentioned in registered VCS PD &

	MR is as per the site practice and thus assessment team confirms that the details are correct. The shutdown / break down reports/^{15/} are checked and found that the plant undergone scheduled maintenance and break down. Assessment team checked the routine maintenance log book/^{15/} and confirmed that it does not have any impact on project design and monitoring procedures. No unforced error observed. Assessment team confirmed that data/ information used for determining GHG reductions and removals were sufficient in quantity and of appropriate quality. Calibration certificates of meters/ QA/QC procedure checked and found to be appropriate.
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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^{/02/} by M/s. ReNew Solar Power Private Limited to perform the 5th verification (01-January-2022 to 30-June-2022) of the “Renewable Solar Power Project by ReNew Solar Power Private Limited”.

The project participants are 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 ^{/5/} and the applied methodology ACM0002, version 19.0 ^{/16/}

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, VCS Program Guide v4.2, and VCS Standard v4.3. 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 registered VCS PD & MR ^{/5/};
- 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 runs reliably and is calibrated appropriately;
- the monitoring system is in place and generates GHG emission reductions 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-2022 to 30-June-2022 (inclusive of both days)

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

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
01-January-2022 to 30-June-2022	944,966	0	0	944,966
Total	944,966	0	0	944,966

APPENDIX 1: DOCUMENTS REVIEWED OR REFERENCED

No.	Author	Title	References to the document	Provider
1.	State Utility	Commissioning certificates of all SPVs.	Commissioning of the Solar power project	PP
2.	Applus	Contract of the project participant with the DOE. Ref. No. A+SH_SYST_TQC_VCS_VER_17722	08-July-2022	PP
3.	NA	The operational lifetime of the project activity from the manufacturer (Technical specifications)	Manufacturer technical specifications	PP
4.	VERRA	Registered Previous Verification Report	https://registry.terra.org/app/projectDetail/VCS/1851	PP
5.	VERRA	Registered VCS PD and Monitoring Report	https://registry.terra.org/app/projectDetail/VCS/1851	PP
6.	NA	Initial Monitoring report Version 01 Final Monitoring report Version 03	17-August-2022 10-October-2022	PP
7.	NA	Initial Emission reduction sheet version 01 Final Emission reduction sheet version 02	17-August-2022 16-September-2022	PP
8.	PP	O & M Agreement	-	PP
9.	NA	Tools/ guidelines used in the project activity - Glossary of CDM terms version 07 - VCS standard Version 4.3 - VCS Program Guide 4.2 - VCS verification report template version 4.1 - VCS MR Template, version 4.1		UNFCCC & VERRA
10.	State Utility for share certificates, PP for invoice	JMRs, Share certificates and Invoices		PP
11.	PP	Declaration regarding no participation in other GHG program for the concerned monitoring period	31-August-2022	PP
12.	NA	Calibration details of the project activity undergoing verification	Calibration certificates	PP

No.	Author	Title	References to the document	Provider
13.	NA	Grievance Register maintained at site	-	PP
14.	UNFCCC	CDM validation and verification standard for project activities, Version 03.0	-	UNFCCC
15.	PP	Shutdown details for the Project Activity Maintenance log book	-	PP
16.	UNFCCC	CDM methodology ACM0002	version 19.0	UNFCCC
17.	NA	Technical datasheet for SPVs		PP
18.	PP	Photographs of SPVs, Energy meters		PP
19.	PP	Power Purchase Agreement	-	PP

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

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

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

Table 2. CL from this verification

CL ID	00	Section no.	Date: 24-August-2022
Description of CL			
NA			
Project participant response			Date: 17-September-2022
NA.			
Documentation provided by project participant			
NA			
DOE assessment			Date: 17-September-2022
NA			

Table 3. CAR from this verification:

CAR ID	01	Section no.	4.1	Date: 24-August-2022
Description of CAR				
During review of monitoring report following inconsistencies observed:				
1. Section 1.1, of monitoring report is found not inline with the VCS MR template v 4.1. Thus, corrective action sought. 2. PP requested to submit copies of technical specifications of SPVs, PPA, O&M agreement, of the project activity. Kindly submit. 3. 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. 4. Table 1 given for Sustainable Development Contributions in Section 1.11 is not inline with MR Template Guidelines V4.1. Thus, corrective action sought.				
Project participant response				Date: 16-September-2022
1. Section 1.1 of Monitoring Report has been corrected as per VCS Monitoring Report guidelines. 2. Technical specifications of SPVs, PPA, O& M Agreement have been submitted to assessment team. 3. Commissioning certificates of project activity has been provided to assessment team. 4. Sustainable Development Contributions Table has been corrected in Section 1.11 of updated Monitoring Report.				

Documentation provided by project participant	
Technical specifications of SPVs, PPA, O& M Agreement, Update Monitoring Report.	
DOE assessment	Date: 17-September-2022
1. PP has corrected Section 1.1 of Monitoring Report as per VCS Monitoring Report Template Guidelines V 4.1. Thus, CAR is Closed. 2. PP has provided Technical specifications of SPVs, PPA, O&M agreement of the project activity to the assessment team and it is found correct. Thus, CAR is Closed. 3. PP has submitted the commissioning certificate for the mentioned commissioning date of project activity in section 3.1 of revised monitoring report to the assessment team and is found correct and consistent. Thus, CAR is closed. 4. PP has corrected Sustainable Development Contributions Table in Section 1.11 of updated Monitoring Report. Thus, CAR is Closed.	

CAR ID	02	Section no.	4.1	Date: 24-August-2022
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.				
Project participant response				Date: 16-September-2022
Declaration for no double accounting for current monitoring period and for project activity is participated in other GHG program other than VCS has been provided to assessment team.				
Documentation provided by project participant				
Declaration regarding double counting.				
DOE assessment				Date: 17-September-2022
PP has submitted the undertaking letter for no any double counting for current monitoring period dated 31-August-2022 and for project activity PP not claiming any ERs other than VCS verified by assessment team. Thus, CAR is closed .				

CAR ID	03	Section no.	4.2.2	Date: 24-August-2022
Description of CAR				
PP requested to submit records for ongoing local stakeholder consultation including grievance register etc. to assessment team.				
Project participant response				Date: 16-September-2022
Grievance Register has been provided to assessment team.				
Documentation provided by project participant				
Grievance Register				
DOE assessment				Date: 17-September-2022
PP has submitted Grievance Registers of the all units of the project activity. Assessment team found no major grievances has been made by local stakeholders during current monitoring period. Thus, CAR is closed .				

Accuracy of GHG Emission Reduction and Removal Calculation

CAR ID	04	Section no.	4.4	Date: 24-August-2022
Description of CAR				
1. The value of $EG_{PI,y}$ and ER_y is found inconsistent throughout the monitoring report. Thus, corrective action sought. Moreover, PP is requested to submit all supporting documents for all the monitoring parameters and monitored values of the project activity to assessment team.				
Project participant response				Date: 16-September-2022
$EG_{PI,y}$ and ER_y value have been corrected in updated Monitoring Report. Also JMR and invoices have been provided to assessment team as supporting documents.				
Documentation provided by project participant				
Updated Monitoring Report, JMR, Invoices.				
DOE assessment				Date: 17-September-2022

PP has corrected $EG_{PJ,y}$ and ER_y value in updated Monitoring Report. Moreover, JMR and invoices submitted as supporting of monitoring parameters to the assessment team and the values are found correct and conservative. Thus, **CAR is Closed**.

Quality of Evidence to Determine GHG Emission Reductions and Removals

CAR ID	05	Section no.	4.5	Date: 24-August-2022
Description of CAR				
Detailed Information of metering equipment like serial number, make, calibration and validity of calibration and calibration frequency is missing in MR. Moreover, to verify the same PP is requested to submit the copies of calibration certificates covering complete monitoring period to the assessment team. Thus, corrective action sought.				
Project participant response				Date: 16-September-2022
Meter details and meter calibration details have been provided to Appendix I of updated Monitoring Report. Also, calibration certificates of project activity have been provided.				
Documentation provided by project participant				
Updated Monitoring Report, Calibration Certificates.				
DOE assessment				Date: 17-September-2022
PP has provided Calibration certificates for main and check meters covering complete monitoring period to verify the calibration details mentioned in Appendix I of the Revised Monitoring Report Version-02 dated 16-September-2022 to the verification team, and it is found correct and consistent with the MR. Thus accepted, CAR is closed .				

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	PANKAJ	KUMAR	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	Meesa	Srikanth	Applus+ Certification
2.	Approver	IR	Calle de Miguel	Agustin	Applus+ Certification

Short CVs of the Team:

1. **Mr. Pankaj Kumar** has done M. Sc in Environment Management from Forest Research Institute, Dehradun and B. Sc. (Hons.) in Environment & Water Management from Magadh University, Bihar, India. He has also done Post Graduate Diploma in Environmental Law from NLSIU, Bangalore. He has more than 12 years of working experience in GHG Assessments and has participated during his career in Agencies and DOEs like MITCON, Agrinergy, Carbon Check and is empanelled with Applus+ Certification since 2015 for the performance of CDM/VCS/GS project assessments. He has extensive experience in the Renewable, Waste Management and Energy Demand Scopes of UNFCCC CDM and has done more than 100 Validations and Verifications of PAs and PoAs as Lead Auditor, Technical Expert and Technical Reviewer, mainly in Asia, Africa, USA, Asia Pacific and Americas under CDM, Verified Carbon Standard, Gold Standard & Social Carbon Standard, Brazil. He is an experienced, qualified and result oriented Environment and climate change professional having 16 yrs. of relevant experience in Climate Change (Mitigation & Adaptation), Environmental Due Diligence, Disaster Risk Reduction, Climate finance, adaptation planning, capacity building, validation and verification of GHG project. He can also provide technical support for environmental investigative, remedial projects involving air, water and soil, Waste management, EIA, Environmental Compliance, ISO 14001, OHSAS 18001, GHG accounting (ISO 14064) and Carbon foot printing. Mr. Pankaj Kumar is based in Patna, India. Mr. Pankaj Kumar may participate as part of the Audit Team as Lead Auditor and Technical Expert for the assessment.

2. **Mr. Srikanth Meesa** is a climate change professional with more than 16 years of experience in the fields of climate change, GHG auditing, carbon footprint assessments, water and energy audits, scope-3 emissions, net zero strategies, sustainability & ESG sectors and water and wastewater treatment sectors. He has completed his masters in Environmental Engineering & Management from I.I.T Delhi and Bachelors in Civil Engineering from Osmania University. Furthermore, he has extensive experience i.e., more than 14 years on the auditing of CDM, VERRA, GS, JCM projects of various sectoral scopes across the world. He has worked with reputed certification bodies such as TUV NORD, DNVGL, TUV SUD and LR. He also has consulting experience on sustainability reports & road-maps, stakeholder consultation and LCA studies while working at Thinkstep (Now called Sphera). Currently, he is associated with Global Green Solutionz and empanelled with Applus+ Certification to carry out GHG audits in the aforementioned schemes. Mr. Srikanth Meesa is based at Hyderabad, India. Mr. Srikanth Meesa may participate review team.

APPENDIX 4: ABBREVIATIONS

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
VER	Verified 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
DGR	Daily Generation Report
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
PLF	Plant Load Factor
MR	Monitoring Report
JMR	Joint Metering Report
PPA	Power Purchase Agreement
WTG	Solar Turbine Generator
VCS	Voluntary Carbon Standard
VB	Validation and Verification Body

APPENDIX 5: CALIBRATION DETAILS

S. No.	SPV Name	Location	Meter Number	Meter Type	Meter Manufacturer	Meter Accuracy Class	Date of Calibration	Due date of calibration
1	Tarun Kiran Bhoomi Private Limited(20 MW)	Alland					04-September-2019,	03-September-2024,
			16193095	Main Meter	L & T	0.2 s	19-June-2020	18-June-2025
			21004943 ³¹	Main Meter	L&T	0.2s	05-April-2022	04-April-2027
			13192165	Check Meter	L & T	0.2 s	19-June-2020	18-June-2025
			21005013	Check Meter	L&T	0.2s	05-April-2022	04-April-2027
2	Renew Clean Energy Private Limited(51 MW)	Ashokenagar	XE518730 XE518731		Secure	0.2 s	10-August-2020	09-August-2025
3	Renew Wind Energy (TN2) Private Limited (50 MW)	Tumkur (Pavagada)	16195517	Main Meter	L & T	0.2 s	08-December-2017	07-December-2022,
			LT-0834-A ³²	Main Meter	L & T	0.2	10-January-2022	
			16195508	Check Meter	L & T	0.2 s	08-December-2017	09-January-2025

³¹ Meter No. 16193095 & 13192165 were replaced by new meter no. 21004943 & 21005013 respectively on 05/04/2022.

³² Meter No. 16195517 was replaced by New Meter No. LT-0834-A on 10-January-2022.

			LT-0795-A ³³	Check Meter	L & T	0.2s	10-January-2022	
			16195519	Main Meter	L & T	0.2 s	08-December-2017	
			LT-0921-A ³⁴	Main Meter	L & T	0.2	10-January-2022	
			16195523	Check Meter	L & T	0.2 s	08-December-2017	
			LT-0922-A ³⁵	Check Meter	L & T	0.2s	10-January-2022	
4	Renew Wind Energy (Karnataka 3) Private Limited(20 MW)	Bhalki	16113413	Main Meter	L & T	0.2 s	28-January-2021	27-January-2026
			16113221	Check Meter	L & T	0.2 s	28-January-2021	
5	Renew Wind Energy (MP Four) Private Limited(20 MW)	Chincholi	16083161	Main Meter	L & T	0.2 s	10-June-2021	09-June-2026
			16083118	Check Meter	L & T	0.2 s	10-June-2021	
6	Bhumi Prakash Private Limited(20 MW)	Devadurga	15197833	Main Meter	L & T	0.2 s	25-December-2019	24-December-2024
			15197834	Check Meter	L & T	0.2 s	25-December-2019	
7	ReNew Solar Energy (Telangana)	Dichpally	APX01166	Main Meter	Secure	0.2 s	27-July-2021	26-July-2026
			APX01167	Check Meter	Secure	0.2 s	27-July-2021	

³³ Meter No. 16195508 was replaced by New Meter No. LT-0795-A on 10-January-2022.

³⁴ Meter No. 16195519 was replaced by New Meter No. LT-0921-A on 10-January-2022.

³⁵ Meter No. 16195523 was replaced by New Meter No. LT-0922-A on 10-January-2022.

	Private Limited (143 MW)		APX01168	Stand by Meter	Secure	0.2 s	27-July-2021	
8	Renew Wind Energy (MP Three) Private Limited(20 MW)	Honnali	16112933	Main Meter	L & T	0.2 s	27-September-2017	26-September-2022
			16112921	Check Meter	L & T	0.2 s	27-September-2017	
9	Renew Wind Energy (Karnataka 4) Private Limited(20 MW)	Humnabad	16083139	Main Meter	L & T	0.2 s	11-February-2021	10-February-2026
			16083133	Check Meter	L & T	0.2 s	11-February-2021	
10	Renew Mega Solar Power Pvt Limited (48 MW)	Mandamarr	APX01147	Main Meter	Secure	0.2 s	10-July-2020	09-July-2025
			APX01148	Check Meter	Secure	0.2 s	10-July-2020	
			APX01149	Stand by 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	09-January-2020	08-January-2025
			APZ00379	Check Meter	Apex 150	0.2 s	09-January-2020	
			APZ00380	Stand by Meter	Apex 150	0.2 s	09-January-2020	
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	Stand by Meter	L & T	0.2 s	18-February-2020	
13	Renew Saur Shakti Private	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	

	Limited (30 MW)		16196385	Stand by 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 (Project -II)	L & T	0.2 s	04-April-2021	

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	Stand by 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	Stand by 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	L & T	0.2 s	26-February-2021	25-February-2026
			16112913	Check Meter	L & T	0.2 s	26-February-2021	
21	Renew Wind Energy (Maharashtra) Private Limited (20 MW)	Yadgir	16113430	Main Meter	L & T	0.2 s	01-April-2021	31-March-2026
			16113436	Check Meter	L & T	0.2 s	01-April-2021	
22	Renew Agni Power Private Limited (20 MW)	Siruguppa	16113386	Main Meter	L & T	0.2 s	13-January-2021	12-January-2026
			16113401	Check Meter	L & T	0.2 s	13-January-2021	
23	Renew Wind Energy (Budh 3) Private Limited (20 MW)	Eklara	17069178	Main Meter	L & T	0.2 s	26-November-2020	25-November-2025
			17069183	Check Meter	L & T	0.2 s	26-November-2020	
24	Renew Saur Urja Private Limited (50 MW)	Thalekan	17117926	Main Meter	L & T	0.2 s	25-February-2021	24-February-2026
			17117928	Check Meter	L & T	0.2 s	25-February-2021	

25	Renew Wind Energy (Budh 3) Private Limited (20 MW)	Nirna	17166928	Main Meter	L & T	0.2 s	12-June-2020	11-June-2025
			17166940	Check Meter	L & T	0.2 s	12-June-2020	
26	Renew Wind Energy (Budh 3) Private Limited (20 MW)	Wadagere	17125589	Main Meter	L & T	0.2 s	01-April-2021	31-March-2026
			17125590	Check Meter	L & T	0.2 s	01-April-2021	