



250 MW WIND POWER PROJECT BY MYTRAH ENERGY



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Summary:

Verification purpose: LGA Technological Center S.A. (Applus+ Certification) (Hereafter referred as Applus+ Certification) has been appointed^{2/} by “Mytrah Energy (India) Limited” to perform 4th verification (01-March-2022 to 31-March-2022) of the “250 MW Wind Power Project by Mytrah Energy” (VCS ID 2020. 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 proposed project activity against the applicable VCS requirements.

The start date of the project activity is 30-January-2019. This is the date of commissioning of first WTG of this project activity. An undertaking has been submitted by PP for double counting confirming that no GHG reduction will be claimed in any other GHG mechanism for current monitoring period.

This is 4th monitoring report under VCS covers activity from 01-March-2022 to 31-March-2022 (inclusive both days). During the Current Monitoring Period the GHG emission reductions calculated are 21,038 tCO₂.

VCS crediting period is of 10 years. The start date of crediting period is 30-January-2019 to 29-January-2029. The project activity adopts renewable crediting period of 10 years which can be renewed for maximum 2 times.

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) and 00 Forward action requests (FARs) were raised and successfully closed. 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 VVB with sufficient evidence to verify the fulfilment of the stated criteria of VCS.

LGA Technological Center S.A. (Applus+ Certification) (Hereafter referred to as Applus+ Certification) has been appointed by “Mytrah Vayu (Sabarmati) Pvt. Ltd” under VCS standard 4.3 and VCS Program

guide version 4.2. 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 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 applied methodologies "ACM0002 (version 19.0) - Consolidated baseline methodology for grid-connected electricity generation from renewable sources. 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 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 4.2 and VCS standard, version 4.3

- CDM Validation and Verification Standard for project activities, version 03.0
- CDM Project Standard for project activities, version 03.0
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- VCS standard version 4.3
- VCS program guide version 4.2

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 (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 for the project activities, version 03.0, review against joint PD and MR and Final Validation report, CDM Project Standard for project activities, version 03.0; and VCS program guide, version 4.2 and VCS standard version 4.3.

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 VERs. 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.

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 remote audit or document verifications. The entire documents checked/plant verification conducted to arrive at positive verification conclusions.

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1. INTRODUCTION

1.1 Objective

LGAI Technological Center S.A. (Hereinafter referred as Applus+ Certification) has been appointed by “Mytrah Vayu (Sabarmati) Pvt. Ltd” to perform the 4th verification of the project entitled “250 MW Wind Power Project by Mytrah Energy” under VCS standard version 4.3 and program guide version 4.2. 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 and to ensure a thorough assessment of the proposed project activity against the applicable CDM and VCS requirements. In particular;

The project's baseline plan is assessed against applied methodologies – ACM0002 (version 19.0) “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”.

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 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 standard version 4.3.

CDM Validation and Verification Standard for project activities, version 03.0

CDM Project Standard for project activities, version 03.0

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 estimated verified carbon units (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 joint VCS-PD and registered approved methodologies ACM0002 version 19.0. 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 VCS Program guide version 4.2, including the approved baseline and monitoring methodologies applied. The verification was based on the requirements in the CDM validation and verification standard for project activities, Version 03.0, CDM Project Standard for project activities, version 03.0, and VCS program guide, version 4.2 and 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. There are no material errors, overestimation of ER, omission or misstatement. The verification team has reviewed all the documents like commissioning certificate, Energy generation records, fuel records etc.

1.3 Level of Assurance

The verification has been planned and organized to achieve a Reasonable Level of assurance as per the requirement of VCS. The entire documents checked/Power plant verification conducted to arrive at positive verification conclusions.

1.4 Summary Description of the Project

The project undertaken by Mytrah Vayu (Sabarmati) Pvt. Ltd, has implemented a 250 MW wind power project in the state of Tamil Nadu in India. The main purpose of this project activity is to generate clean form of electricity through renewable wind energy sources.

The project activity supports the development of new grid-connected renewable energy power plants in India and will cover the wind energy technologies. It seeks to enable investment in large scale grid connected plants that export their generated output to the regional / national electricity grid in India.

During the Current Monitoring Period from 01-March-2022 to 31-March-2022 (Inclusive of both the dates) the project activity has supplied 22,458 MWh of electricity, and thus contributing to the GHG reductions 21,038 tCO₂e.

2. VERIFICATION PROCESS

2.1 Method and Criteria

Verification Process

The project assessment is based on the Clean Development Mechanism Validation and Verification Standard for project activities, version 03.0 and VCS standard 4.3 and 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 against the registered Joint PD and MR;
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. LGAI Technological Center, S.A. (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 verifying the identified criteria.

Appointment of the assessment team

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

The composition of audit team shall be approved by the LGAI Technological Center S.A. (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
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 submitted by the PP was reviewed against the approved methodology, registered PDD, final validation report 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.

Remote Audit and Follow-up interviews

A remote audit was conducted by LGAI Technological Center S.A. (Applus+ Certification) and performed interviews through video conferencing 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 submitted by PP on 29-July-2022 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 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 final 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 project owners, the positive verification opinion and relevant documents are submitted to the VCS secretariat through the VCS web-platform.

2.2 Document Review

The verification was performed as an audit where the project description, monitoring report and other supporting documents were reviewed, cross checked and compared with identified and stated requirements. The details of the document reviewed 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 06-July-2022. Remote audit was conducted due to ongoing COVID-19 pandemic situation in the entire country of India. Taking into account the prevalent conditions of COVID-19 pandemic, 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. 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 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;

. The names of the persons interviewed during video conferencing remote audit is given below;

Organization	Name of Persons/Designation	Topics discussed	Team Member
Mytrah Vayu (Sabarmati) Pvt. Ltd	Mr. Rahul Kumar	Project activity implementation Operation, Calibration, O&M practices, ENERGY GENERATION RECORDS etc. LSC mechanism	Pankaj Kumar
Mytrah Vayu (Sabarmati) Pvt. Ltd	Mr. Shirish Navlekar	Project Implementation, JMR & invoicing procedure, calibration, grievance mechanism, Management practices, data storage, QA/QC GHG calculations, MR and ER preparation, Data collection, data storage	
Mytrah Vayu (Sabarmati) Pvt. Ltd	Mr. Murugesan P		
Infinite Environmental Solutions LLP	Mr. Jimmy Shah		

2.4 Site Inspections

Remote Audit: 07-July-2022				
No.	Activity performed (remote audit)	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.	Village - Kadambur, Kuppanapuram, Ottarampatti, Vandanam, Kayathar, Akhilandapuram & Paneerkulam District – Tuticorin State – Tamil Nadu, India	07-July-2022	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 which need to be clarified for LGAI Technological Center S.A. (Applus+ Certification)'s positive conclusion on the project design and Monitoring report. The Corrective Action Requests and Clarification Requests raised by LGAI Technological Center S.A. (Applus+ Certification) were resolved during communications between the Client and LGAI Technological Center S.A. (Applus+ Certification) to guarantee the transparency of the validation process, the concerns raised and responses given are summarized below in the appendix 2.

The final MR Version 03 submitted by project owners on 29-July-2022 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 CDM/VCS main objectives are the reduction of anthropogenic GHG emissions and the contribution of sustainable development to the host country.

Areas of verification findings	No. of CL	No. of CAR	No. of FAR
Project design document and Monitoring report	00	00	00
Description of project activity	00	00	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	00	00
Calibration details	00	01	00
Monitoring plan	00	01	00
No Net harm assessment	00	00	00
Local stakeholder consultation	00	01	00
Others (please specify)- - Regarding double counting Declaration - ER Sheet - Supporting documents	00	02	00
Total	00	05	00

The list of findings and their resolution is presented in appendix 2 of this report.

2.5.1 Forward Action Requests

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

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.

VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

VVB confirmed that the project activity is registered under VCS (<https://registry.terra.org/app/projectDetail/VCS/2020>) with fixed crediting period as 30-January-2019 to 29-January-2029. VVB also checked UNFCCC and registry of REC and confirmed that project is not registered under any other GHG mechanism. VVB further confirmed with the undertaking provided by PP that there will not be any double accounting for current monitoring period.

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 Deviations

Deviation 1: In this monitoring period, the project participant requested deviation for the export and import values omitted and no longer provided. Only net export values are being provided for the invoicing to respective boards/government institutions. In DSM, PP have to forecast electrical energy generation in day time blocks (In India, 15 minutes each block, total 96 blocks) well in advance.

The invoicing is done on the forecasted value. The actual generation deviation from the forecasted values is penalized, it depends upon the deviation magnitude. Therefore instead of export and import values, the net values is directly obtained (either by including deviation to the schedule values or directly considering the actual values from the SRPC report) for the emission reduction calculation. The approach doesn't effect the VCU calculation.

For Sothern Region, Total Energy schedule and the Actual values (which is the actual Net delivered) is maintained by the Southern Regional Power Committee (SRPC) Secretariat, Central Electricity Authority, Government of India. Regional Energy Account (monthly net export) for every month in respect of Southern Region has been uploaded on the SRPC website,

www.srpc.kar.nic.in. Since the document is provided by government nodal agency, which has been cross checked by assessment team and acceptable.

The nature of deviation is permanent.

The above deviation is approved in 2nd verification. There is no deviation required for the current and present verification.

Deviation 2: PP has requested for deviation regarding the change in feeder from the joint VCS PD and MR During the time of validation PP was using two feeders i.e Bay-222 and Bay-223. Bay-223 is now being transferred to M/s orange power. The feeder details are provided below:-

Feeder number	Meter serial numbers
Bay-222	SA0016A, SA0014A, SA0013A
Bay-223	SA0015A, SA0011A, SA0012A

It was confirmed through Joint PD and MR that initially 6 energy meter were used. PP has now transferred Bay-223 to M/s Orange Power and project energy metering will be through Bay-222 and 3 nos. of energy meters. This was confirmed by assessment team during remote audit.

The above change does not have any impact on emission reductions, applicability of the methodology, additionality or the appropriateness of baseline scenario. And, therefore deviation is sought for the same from the joint PD and MR. Assessment team accepted the same.

This deviation was approved in 3rd Verification.

3.4 Grouped Project

The project does not involve any addition of new project activity and thus the project do not fall under grouped project.

VERIFICATION FINDINGS

4.1 Project Implementation Status

During remote audit verification, it was concluded that the project is implemented as per VCS PD and this is verified from the commissioning certificate 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 summary sheet 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 through video conferencing 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 joint PD and MR are correct.

The details of the project locations are mentioned in the table below-

Name of Investor	Capacity (MW)	Village(s)	District	State
MytrahVayu (Sabarmati) Pvt.Ltd.	250 MW	Kadambur, Kuppanapuram, Ottarampatti, Vandanam, Kayathar, Akhilandapuram & Ponnur	Tuticorin	Tamil Nadu

Respective WTG location along with coordinates are mentioned below:

SL. No	Name of Investor	Location Name	Latitude	Longitude
1.	M/s Mytrah Vayu (Sabarmati) Pvt. Ltd.	MAN-322	8°58' 04.93"	77° 55' 00.64"
2.		MAN-321	8°58' 24.09"	77° 55' 22.36"
3.		MAN -222	8°57' 49.51"	77° 54' 36.21"
4.		MAN-215	8°57' 04.03"	77° 53' 07.05"
5.		MAN-323	8°57' 30.49"	77° 53' 08.89"
6.		MAN-199	8°59' 57.17"	77° 52' 43.33"
7.		MAN-324	8°56' 59.21"	77° 52' 17.266"
8.		MAN-197	9°00' 44.43"	77° 52' 05.52"
9.		MAN-319	8°59' 53.26"	77° 54' 48.26"
10.		MAN-196	9°01' 06.79"	77° 52' 15.16"
11.		MAN-328	9°01' 42.51"	77° 53' 41.77"
12.		MAN-326	9°00' 17.87"	77° 54' 37.53"
13.		MAN-320	8°58' 43.03"	77° 54' 41.61"
14.		MAN-353	8°57' 22.58"	77° 54' 40.81"

15.		MAN-380	8°57' 31.83"	77° 54' 14.29"
16.		MAN-311	9°01' 24.09"	77° 53' 43.03"
17.		MAN-312	9°01' 53.19"	77° 54' 49.58"
18.		MAN-349	9°03' 04.87"	77° 55' 21.34"
19.		MAN-361	9°02' 49.37"	77° 56' 49.38"
20.		MAN-379	9°01' 40.26"	77° 52' 27.36"
21.		MAN-350	9°02' 45.455"	77° 55' 46.40"
22.		MAN-362	9°03' 10.15"	77° 56' 09.18"
23.		MAN-345	9°02' 24.90"	77° 55' 26.67"
24.		MAN-305	9°02' 15.08"	77° 51' 55.31"
25.		MAN-340	9°00' 53.28"	77° 56' 03.52"
26.		MAN-378	9°05' 18.50"	77° 56' 46.48"
27.		MAN-304	9°02' 32.51"	77° 51' 27.31"
28.		MAN-377	9°03' 59.32"	77° 57' 18.22"
29.		MAN 356	9°01' 06.19"	77° 57' 49.32"
30.		MAN-366	9°04' 34.66"	77° 55' 26.91"
31.		MAN 314	9° 01' 20.72"	77° 57' 46.01"
32.		MAN-159	8°59' 46.60"	77° 49' 42.66"
33.		MAN-161	9°00' 26.84"	77° 49' 03.72"
34.		MAN-160	9°00' 12.76"	77° 49' 41.56"
35.		MAN-415	8°58' 58.96"	77° 50' 49.62"
36.		MAN-412	8°58' 28.65"	77° 50' 15.30"
37.		MAN-417	8°58' 16.30"	77° 50' 39.34"
38.		MAN-388	8°57' 13.89"	77° 47' 52.29"
39.		MAN-146	8°59' 53.96"	77° 48' 37.98"
40.		MAN-280	8°58' 57.03"	77° 47' 35.55"

41.		MAN-297	9°02' 00.42"	77° 49' 53.49"
42.		MAN-189	9°01' 11.35"	77° 51' 03.61"
43.		MAN-185	9°00' 54.47"	77° 50' 21.21"
44.		MAN-184	9°00' 32.44"	77° 50' 27.81"
45.		MAN-299	9°01' 52.73"	77° 50' 58.57"
46.		MAN-301	8°58' 19.75"	77° 46' 48.29"
47.		MAN 351	9°02' 01.39"	77° 57' 35.38"
48.		MAN 194	9°01' 59.33"	77° 52' 34.78"
49.		MAN 437	9°02' 18.69"	77° 56' 27.38"
50.		MAN 370	9°04' 14.19"	77° 56' 41.50"
51.		MAN 341	9°01' 20.09"	77° 56' 01.65"
52.		MAN 416	8°58' 30.61"	77° 51' 13.21"
53.		MAN 405	8°59' 22.95"	77° 49' 34.56"
54.		MAN-201	8°58' 59.80"	77° 51' 36.21"
55.		MAN-444	8°56' 44.56"	77° 50' 17.04"
56.		MAN 398	8°56' 30.02"	77° 50' 08.32"
57.		MAN-483	8°59' 28.03"	77° 47' 21.78"
58.		MAN-486	8°59' 54.90"	77° 47' 24.90"
59.		MAN-485	8°59' 42.49"	77° 47' 57.16"
60.		MAN-480	8°58' 09.42"	77° 47' 16.54"
61.		MAN-481	8°58' 25.50"	77° 47' 06.75"
62.		MAN-443	9°01' 12.22"	77° 49' 11.56"
63.		MAN 162	9°00' 41.42"	77° 48' 29.02"
64.		MAN-127	9°01' 34.55"	77° 49' 55.41"
65.		MAN 126	9°01' 48.64"	77° 49' 54.15"
66.		MAN-494	9°02' 02.97"	77° 50' 29.70"
67.		MAN-497	9°01' 01.99"	77° 48' 30.88"

68.		MAN-17	8°50' 24.87"	77° 53' 28.09"
69.		MAN-24	8°49' 27.46"	77° 54' 15.25"
70.		MAN-22	8°50' 35.38"	77° 54' 09.83"
71.		MAN-255	8°47' 46.68"	77° 49' 24.71"
72.		MAN-253	8°47' 11.41"	77° 49' 48.05"
73.		MAN-26	8°48' 49.65"	77° 53' 27.41"
74.		MAN-55	8°51' 19.15"	77° 52' 42.76"
75.		MAN-16	8°50'33.64"	77° 52' 55.62"
76.		MAN-79	8°50' 21.64"	77° 48' 48.32"
77.		MAN-490	8°49' 58.53"	77° 50, 20.022"
78.		MAN-20	8°48' 56.29"	77° 52' 57.64"
79.		MAN-03	8°46' 42.12"	77° 51' 11.26"
80.		MAN-04	8°46' 20.45"	77° 51' 21.36"
81.		MAN-11	8°49' 49.58"	77° 52' 29.67"
82.		MAN-02	8°48' 32.40"	77° 50' 59.91"
83.		MAN 05	8°46' 10.74"	77° 50' 53.70"
84.		MAN 82	8°47' 02.26"	77° 51' 32.44"
85.		MAN 258	8°48' 50.75"	77° 48' 59.17"
86.		MAN 264	8°49' 22.98"	77° 51' 50.30"
87.		MAN 19	8°49' 43.94"	77° 53' 13.25"
88.		MAN 115	8°50' 08.55"	77° 54' 35.45"
89.		MAN 12	8°49' 25.81"	77° 52' 28.67"
90.		MAN 13	8°49' 05.67"	77° 52' 16.91"
91.		MAN 18	8°49' 07.25"	77° 54' 00.83"
92.		MAN 10	8°50' 14.01"	77° 54' 05.67"
93.		MAN 15	8°50' 54.31"	77° 53' 19.72"

94.		MAN 498	8°45' 50.84"	77° 50' 44.16"
95.		MAN 499	8°46' 23.84"	77° 51' 59.74"
96.		MAN-158	8°59' 34.14"	77° 49' 09.56"
97.		MAN-125	8°57' 53.07"	77° 46' 41.11"
98.		MAN-136	9°00' 17.13"	77° 4' 53.96"
99.		MAN-491	9°02' 30.79"	77° 53' 51.52"
100.		MAN-492	9°02' 19.48"	77° 53' 09.58"
101.		MAN-488	9°00' 24.42"	77° 51' 32.88"
102.		MAN-493	9°00' 52.89"	77° 50' 57.94"
103.		MAN-355	8°58' 03.78"	77° 48' 57.02"
104.		MAN-500	8°54' 35.50"	77° 49' 39.38"
105.		MAN-501	8°54' 09.24"	77° 50' 10.31"

The technical specifications have been verified during remote audit and also cross checked from the technical manuals of the Manufactures.

The Company is using GE make, 2.4 MW rated capacity WTG having rotor diameter of 116 meters and hub height of 94 Meters, at Tamil Nadu. The technical specifications given below:

Parameter	Specification
Installed electrical output	2400 kW
Diameter	116 m
Hub height	94 m
Rated wind speed	11 m/s
Rotor speed	15.68 rpm
Generator	Doubly fed asynchronous generator
Certifications	IEC 61400-1; IEC class S

The start date of the project is 30-January-2019 which is the first date of commissioning of the first WTG of the plant.

The assessment team confirmed through interview with O&M personal during remote audit that there are no changes into the project design during this monitoring period. It was found that the monitoring plan was implemented as per the requirement of the PD & approved monitoring Plan and applied methodologies. The organisational role and responsibility as mentioned in the joint VCS PD and MR is followed onsite. The calibration of energy meter is carried out as per the required frequency mentioned in the VCS PD. All the emergency preparedness as mentioned in the joint PD and MR is followed onsite and no discrepancies were found regarding the same.

The Project participant contribution from the project activity towards sustainable development are as explained below:

The proposed project activity involves the installation of Wind Power Projects in Tamil Nadu State of India. The purpose of the project activity is to generate clean electricity with utilization of wind energy.

The project supplies clean electricity from the wind power plant to the Indian National Grid hence displacing the electricity generated from grid connected fossil fuel power plants and thereby avoiding the equivalent Carbon dioxide which is a green-house gas. In the absence of the project activity, there won't be any avoidance of carbon dioxide

During the construction and operation and maintenance of the wind power plant, the project created many direct and indirect new job opportunities mostly to the local people in the project region. In the absence of the project activity, there would be no new jobs created in the project area.

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.

The project is not involved in any other form of GHG emission program and VCU's generated from this verification will not be used for other trading program to avoid any kind of double counting. The same is confirmed by the PP during the remote verification audit. Assessment team also conducted independent review regarding the same and found that the statement of the PP is accurate, and project is not involved in any other kind of GHG trading for the present verifications/monitoring period.

The assessment team observed that the project is in line with the joint PD and MR and applied methodologies and thus no clarification/deviation is sought. 05 CAR was raised during the verification process. Please refer below Appendix 2 for the detail closure of the CARs.

Assessment team confirms following during the remote audit verification:

1. Start date of the project is 30-January-2019.

2. An undertaking letter has been submitted by PP for no double counting with any other GHG program. PP also has given a written declaration that project will not claim other form of GHG credit for the concerned monitoring period.
3. Assessment team confirms that this is the 4th verification under VCS and covers the activity from 01-March-2022 to 31-March-2022 (Inclusive both the dates). VCS crediting period is of 10 years with 30-January-2019 as the start date of crediting period and end date as 29-January-2029.
4. Assessment team checked and found that the Project proponent of the project activity is as below for the current monitoring period:

Organization name	<i>Mytrah Vayu (Sabarmati) Pvt. Ltd</i>
Contact person	<i>Mr. Ramesh Kure</i>
Title	<i>Assistant Manager</i>
Address	1st Floor, 8001, 8th Floor, Q-City, Nanakramguda, Gachibowli, Hyderabad 500032, Telangana, INDIA
Telephone	+91 72888 75975

VVB confirmed that Infinite Solutions is another involved in the project activity which is not project participant,

Finding: CAR 01, 02, 03,04, 05 were raised and successfully closed. Please refer appendix 3 for more information.

4.2 Safeguards

4.2.1 No Net Harm

No potential environment or socio-economic matter was found during the discussion with PP during remote audit. The project is renewable energy project and thus no negative impact observed as confirmed by PP during remote audit.

The project activity does not involve any major construction activity. It primarily requires the installation of the WTGs, interfacing the generators with the State Electricity Board by setting up HT transmission lines and installation of other accessories.

The report on “Developmental Impacts and Sustainable Governance Aspects of Renewable Energy Projects” prepared by MNRE dated September 2013¹. This report clearly mentioned that wind project activity operations do not result in direct air pollution, noise pollution. Please refer below web link for the same.

4.2.2 Local Stakeholder Consultation

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 confirmed the same during the remote audit and document review i.e., grievance register.

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.

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 VCS joint PD and MR.
Findings	No CAR or CL was raised.
Conclusion	As per the joint PD and MR and applied methodology, Formula used to calculate achieved emission reduction is as follow; $ER_y = BE_y - PE_y - LE_y$

¹ <http://www.indiaenvironmentportal.org.in/content/382380/developmental-impacts-and-sustainable-governance-aspects-of-renewable-energy-projects/>

As per joint PD and current MR, 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 14, December 2018.

Thus, $EF_{grid,OM,Simple,y} = 0.9610 \text{ t CO}_2/\text{MWh}$ and $EF_{grid,BM,y} = 0.8644 \text{ t CO}_2/\text{MWh}$

The baseline emissions are calculated as below

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

Where:

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

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

EF_{grid,CM,y}: Combined margin CO₂ emission factor 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).

Monitored Parameters

EG_{PJ,y} Net electricity generation supplied by the project plant to the grid during the monitoring period. The value monitored is 22,458 MWh.

Electricity exported by the project to the grid at project site switch yard is the actual generation recorded and monitored by the metering system installed at the project site switch yard.

The metering system comprises of three individual special energy meters (SEMs) (acts as standby meters) installed at the power station, for each generating units. These are connected via four transmission lines of 220 kV, each having its own SEM meter (main meter and check meter). In case, anyone transmission line is not in service than complete load will be shifted to other transmission line which is in operation.

The energy meters are special energy meters which are installed and sealed by the Power Grid Corporation of India Limited in the presence of the representatives of the power producer.

The verification team has checked the entire monthly Energy generation records applicable for the monitoring period as per the project activity applied for verifications and found the monitoring parameter is monitored and recorded as per the monitoring plan in the joint PD and MR. The net electricity supplied by project activity to grid is calculated by subtracting total electricity imported by project from grid from total electricity delivered by project to grid.

The verification team has reviewed the emission reduction sheet and monitoring report data with the energy generation reports and found all the values are consistent.

The calculation of baseline emissions is as below,

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

$$BE_y = 22,458 * 0.9368$$

$$BE_y = 21,038 \text{ tCO}_2\text{e (round down values)}$$

Project emissions:

As per para 36 of ACM0002 methodology “For all renewable energy power generation project activities, emissions due to the use of fossil fuels for the backup generator can be neglected”. Hence, PE_y = 0.

Leakage Emission

The project activity is a Greenfield wind power project and there is no technology transfer with respect to this project activity. Hence the Leakage emissions for the project are zero.

Hence, net GHG reduction and removals

$$\begin{aligned} ER_y &= BE_y - PE_y - LE_y \\ &= 21,038 - 0 - 0 \end{aligned}$$

Where:

ER _y	:	Net GHG emission reductions or removal (tCO ₂ e)
BE _y	:	Baseline emissions (tCO ₂ e)
PE _y	:	Project emissions (tCO ₂ e)
LE _y	:	Leakage emissions(tCO ₂ e)

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-March-2022 to 31-March-2022	21,038	0	0	21,038
Total	21,038	0	0	21,038

	VVB confirmed that GHG reductions and removals have been quantified correctly and in line with monitoring procedure in PD and applied methodology. It is to be noted here that as per the estimated emission reduction to be achieved from the project activity for the current monitoring period is 21,038 tCO₂e, whereas actual emission reductions achieved are 43,007 tCO₂e, which is approximately 51.08% lower than the estimated emission reductions. Hence acceptable.
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4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

Means of verification	The verification team checked the shutdown/break down log for the monitoring period. During the remote audit verification, the energy meters are also checked. The Calibration details of the monitoring meters are also checked with calibration certificates.
Findings	CAR 05 was raised.
Conclusion	Calibration of all the meters is done as per the joint PD and MR. Assessment team has checked the calibration certificate and found that meters are calibrated as per calibration frequency mentioned in joint PD and MR. The calibration frequency mentioned in joint PD and MR is once in five years with accuracy class of energy meter is 0.2s. Meters are calibrated as per the standard procedures and documents for the same are maintained throughout. Meters are calibrated as per the standard procedures and documents for the same are maintained throughout. Cross check by recipient of sales. 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 verification and interview with site personnel also confirms that the operational and organizational chart as mentioned in joint PD and MR is as per the site practice and thus assessment team confirms that the details are correct. The project was operational continuously during the monitoring period without any major breakdown. Assessment team checked the routine maintenance log book 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.

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	
1.	Not applicable	Not applicable	Not applicable	Not applicable

VERIFICATION CONCLUSION

Applus+ Certification has been engaged by “Mytrah Vayu (Sabarmati) Pvt. Ltd” to perform the verification of the “250 MW Wind Power Project by Mytrah Energy”.

The management of the project participant/owner is responsible for the preparation of the GHG emissions data and the reported/estimated GHG emissions reductions on the basis set out within the project’s Monitoring Plan in the PD and MR and the approved methodologies.

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 and VCS Standard version 4.3. 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. The verification 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 and MR
- the development and maintenance of records and reporting procedures are in accordance with the monitoring plan
- 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 during the verification.
- No limitation observed for the present verification

Verification period: From 01-March-2022 to 31-March-2022 (first and last date included).

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

Year	Baseline emissions or removals (tCO2e)	Project emissions or removals (tCO2e)	Leakage emissions (tCO2e)	Net GHG emission reductions or removals (tCO2e)
01-March-2022 to 31-March-2022	21,038	0	0	21,038

Total	21,038	0	0	21,038
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The estimated emission reduction achieved from the project activity for the current monitoring period is 21,308 tCO₂e, whereas actual emission reductions achieved are 43,007 tCO₂e, which is approximately 51.08% lower than the estimated emission reductions. Hence, acceptable.

APPENDIX 1: DOCUMENTS REVIEWED DURING VERIFICATION

No.	Author	Title	References to the document	Provider
1.	State Utility	Commissioning Certificate	Commissioning of the wind power project	Project participant
2.	NA	Technical specifications	Technical specifications of wind Power project manufactured	Project participant
3.	NA	Joint VCS PD and validation report	https://registry.terra.org/app/projectDetail/VCS/2020	VERRA
4.	NA	1 st monitoring report and verification report for the same	https://registry.terra.org/app/projectDetail/VCS/2020	VERRA
5.	NA	Initial Monitoring report Final Monitoring report	Version 01, dated 01-June-2022 Version 02, dated 11-July-2022	Project participant
6.	NA	Emission Calculation sheet	Version 01, dated 01-June-2020	Project participant
7.	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	UNFCCC CDM web site VERRA website	UNFCCC & VERRA
8.	NA	Calibration details of the project activity undergoing verification	Calibration certificates	Project participant
9.	NA	Grievance Register maintained at site	Plant log book	Project participant
10.	NA	No Double Counting Declaration	Declaration from PP	Project participant
11.	UNFCCC	CDM validation and verification standard for project activities, Version 03.0	-	UNFCCC
12.	Project participant	Shutdown details for the Project Activity Maintenance log book	-	Project participant
13.	UNFCCC	CDM methodology ACM0002	version 19.0	UNFCCC
14.	Project participant	Report on “Developmental Impacts and Sustainable Governance Aspects of Renewable Energy		

No.	Author	Title	References to the document	Provider
		Projects" MNRE dated September 2013		

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

Project Implementation Status

CL ID	00	Section no.		Date: 11-July-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				

CAR ID	01	Section no.	4.1	Date: 11-July-2022
Description of CAR				

During review of monitoring report following inconsistencies observed:	
1. PP requested to submit copies of technical specifications of WTGs, O&M agreement, PPA & Breakdown sheet of the project activity. Kindly submit. 2. 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: 11-July-2022
1. WTGs specification, O & M agreement, PPA is submitted herewith. No major breakdown occurred during current monitoring period. 2. Commissioning certificate is submitted herewith.	
Documentation provided by project participant	
1. WTGs specification 2. O & M agreement 3. PPA 4. Commissioning certificate	
DOE assessment	Date: 22-July-2022
Assessment team has checked the document submitted by the PP and found ok. Below are the documents provided by the PP for further assessment: • WTGs specification • O & M agreement • PPA • Commissioning certificate Hence, CAR 01 is closed.	

CAR ID	02	Section no.	4.1	Date: 18-June-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: 11-July-2022
Declaration by PP for no double counting is submitted herewith				
Documentation provided by project participant				
Declaration for no double counting				
DOE assessment				Date: 22-July-2022

PP has now submitted the declaration for no double counting for the current monitoring period.

Hence CAR 02 is closed.

CAR ID	03	Section no.	4.2.2	Date: 11-July-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: 11-July-2022
<i>Grievance register is submitted herewith</i>				
Documentation provided by project participant				
<i>Grievance register</i>				
DOE assessment				Date: 22-July-2022
PP has now submitted the grievance register for the records. Hence CAR 03 is closed.				

Accuracy of GHG Emission Reduction and Removal Calculation

CAR ID	04	Section no.	4.4	Date: 11-July-2022
Description of CAR				
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: 11-July-2022
JMR and Invoices are submitted herewith				
Documentation provided by project participant				
1.JMR				
2.Invoices				

DOE assessment	Date: 22-July-2022
PP has submitted the JMR and invoices for all the monitoring parameters mentioned in the section 4.2 of the VCS PD. The assessment team has cross checked and found ok. Hence, CAR 04 is closed.	

Quality of Evidence to Determine GHG Emission Reductions and Removals

CAR ID	05	Section no.	4.5	Date: 11-July-2022
Description of CAR				
In order to verify the calibration details mentioned in Appendix 1 of MR Version 1, Dated 01-June-2022, PP is requested to submit the copies of calibration certificates covering complete monitoring period to the assessment team.				
Project participant response				Date: 11-July-2022
Calibration certificates are submitted herewith				
Documentation provided by project participant				
Calibration certificate				
DOE assessment				Date: 22-July-2022
PP has submitted the calibration certificate which has been checked by the assessment team and found ok. Hence CAR 05 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	Kumar	Pankaj	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)	El	Meesa	Srikanth	Applus+ Certification
2.	Approver	IR	Calle de Miguel	Agustin	Applus+ Certification

Short CVs of the Team:

- Pankaj Kumar** - 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.

2. **Mr. Srikanth Meesa** - Mr. Srikanth Meesa is a climate change professional with more than 15 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.

APPENDIX 4: ABBREVIATIONS

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
VCS	Voluntary Carbon Standard
VER	Verified Emission Reduction(s)
VVB	Validation and Verification Body
CL	Clarification Request
CM	Combined Margin
CO ₂	Carbon Dioxide
CO _{2e}	Carbon Dioxide equivalent
DNA	Designated National Authority
DOE	Designated Operational Entity
DR	Document Review
EF	Emission Factor
ER	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GWP	Global Warming Potential
VCS	Verified Carbon Standard
PP	Project Participant
PLF	Plant Load Factor
MR	Monitoring Report

APPENDIX 5: CALIBRATION DETAILS

Meter Sl.No.	Make	Class	Initial Meter calibration date	Due date of calibration	Previous due date for Calibration	Installed at location
SA0013A, SA0014A, SA0016A	Secure	0.2 s	26-June-2021	25-June -2026	14-June-2021	230/33 kV Maniyachi Pooling Sub- station.

Calibration of electricity meters is carried out in-line with the approved PD and MR which recommends at least once in 5 year calibration or whenever abnormal difference/inconsistency is observed between main meter and check meter.