



WIND BASED POWER GENERATION BY MYTRAH ENERGY (INDIA) LIMITED (EKIESL-VCS-JANUARY-16-01)



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 by Mytrah Energy (India) Limited (subsidiary of Mytrah Vayu Krishna Private Limited and Mytrah Vayu (Manjira) Private Limited)” to perform the 4th periodic verification of the project activity “Wind Based Power Generation by Mytrah Energy (India) Limited (EKIESL-VCS-January-16-01)”. 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 CDM and VCS requirements.

The total installed capacity of the project is 233.1 MW; which involves operation of 156 Wind Turbine Generators (WTGs) with capacity of 0.85 MW each located at Karnataka (112 WTGs) and Andhra Pradesh (44 WTGs) implemented by Mytrah Vayu Krishna Private Limited and 67 Wind Turbine Generator (WTGs) of 1.5 MW implemented by Mytrah Vayu (Manjira) Private Limited Tamil Nadu state in India. These are the subsidiary companies of Mytrah Energy (India) Limited. However, the project is promoted by Mytrah Energy (India) Limited, which is also the project proponent in the project activity. The generated electricity is exported to the regional grid system which is under the purview of the Southern grid of India (Now INDIAN Grid).

Start date of the project activity is 21/02/2014. This is the day on which first WTG was commissioned under the project activity which is as per commissioning certificate, registered VCS PD version 2 dated 10/02/2016 and final validation report version 01 dated 12/02/2016.

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 02.0, review against registered PD and Final Validation report, CDM Project Standard for project activities, version 02.0; CDM Project Cycle Procedure for project activities, version 02.0 and VCS program guideline and standard version 4.0

This is the 4th monitoring under VCS and covers the activity from 02/08/2019 to 31/03/2020 (inclusive of both dates). The total emission reductions achieved for the project activity during the monitoring period has been 168,371 tCO₂e. The crediting period for VCS began on 21/02/2014 and will end on 20/02/2024. An undertaking from the project participant confirms that project will not claim any other scheme benefits for the concerned monitoring period.

A risk based approach has been followed to perform this verification activity. In the course of verification, 07 Corrective Action requests (CAR), 01 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 DOE 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 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 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 site visit or document verifications. The entire documents checked/WTGs 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 “Mytrah Energy (India) Limited” to perform the 4th periodic verification of the “Wind Based Power Generation by Mytrah Energy (India) Limited (EKIESL-VCS-January-16-01)” under VCS standard and guideline version 4.0. 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 “ACM0002, Version 16.0”
- the project's monitoring plan is assessed against “ACM0002, Version 16.0”
- the projects compliance with, the requirements of Article 12 of the Kyoto Protocol, the CDM Modalities and Procedures as agreed in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other relevant rules, including the Host Country legislation and sustainability criteria along with VCS guideline and standard version 4.0
- CDM validation and verification standard for project activities, version 02.0
- CDM Project Standard for project activities, version 02.0
- CDM project cycle procedure for project activities, version 02.0
- VCS standard v4.0
- VCS program guideline v4.0

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 verified emission reductions (VERs).

1.2 Scope and Criteria

The scope is defined as an independent and objective review of the Monitoring report (MR) prepared as per the registered PD and registered approved methodology ACM0002 version 16.0. 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 and guideline version 4.0, including the approved baseline and monitoring methodology ACM002 version 16.0. The verification was based on the requirements in the CDM validation and verification standard for project activities, Version 02.0, CDM Project Standard for project activities,

version 02.0, CDM project cycle procedure for project activities, version 02.0 and VCS program guideline and standard version 4.0

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. Its invoices follow 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. No sampling is used as the verification team has visited the WTGs along with the substations. The verification team has reviewed all the documents like commissioning certificates, JMR, invoices 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. No sampling procedure applied for site visit or document verifications. The entire documents checked/Power plant verification conducted to arrive at positive verification conclusions.

1.4 Summary Description of the Project

The project activity consisting 223 Wind Turbine Generators (WTGs) installed in the state of Andhra Pradesh, Karnataka and Tamilnadu, India. The purpose of the project activity is to generate electricity by the utilization of wind energy. In this process there is no consumption of any fossil fuel and hence it does not lead to any greenhouse gas emissions. The project activity was commissioned on 21/02/2014. The generated electricity is exported to the regional grid system which is under the purview of the Southern grid of India (Now INDIAN Grid).

The monitoring period this VCS verification covered from 02/08/2019 to 31/03/2020 (inclusive of both dates) and the project activity is achieved 168,371 tCO₂e emission reductions during this monitoring period.

Assessment team checked the Commission of WTG with the commissioning Certificates and found correct. The commissioning dates of the WTGs are provided in Section 4.0 of this report. The project is implemented as per the description in the registered PD. 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 02.0 and “VCS standard and program guideline version 4.0” 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 PD and final validation report;
2. Follow-up interviews/onsite visit 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. Sukanta Das	LA/TE	YES	YES	NA	YES
Mr. Denny Xue	TR	YES	YES	NA	NA

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

Document review

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

Follow-up interviews

An onsite audit was conducted by Applus+ Certification. Audit team 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.

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

Internal quality control

As final step of a verification of the final documentation including the verification report 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

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Kotti	Mr. Santosh	PP Representative	04/11/2020 - 06/11/2020	Implementation of the project and monitoring. Baseline emission calculation, achieved emission reduction for the monitoring period, monitoring process followed onsite	Mr. Sukanta Das
2	Gupta	Lalit	Local stakeholder -TamilNadu	04/11/2020	Local Stakeholder Consultations	
3	Kumar	Amish	Local stakeholder -Karnataka	05/11/2020	Local Stakeholder Consultations	Mr. Sukanta Das
4	Kumari	Shreya	Local stakeholder -Andhra Pradesh	06/11/2020	Local Stakeholder Consultations	Mr. Sukanta Das

2.4 Site Inspections

Duration of on-site inspection: 04/11/2020-06/11/2020				
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	Andhra Pradesh, Tamilnadu & Karnataka	04/11/2020-06/11/2020	Mr. Sukanta Das

	practised onsite. Also assessment team checked any change in host country criteria which may affect the baseline of the project activity. Assessment team also had a discussion with Local stakeholders and checked grievance register placed onsite as per the continuous improvement measure of PP for the Local villagers.			
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2.5 Resolution of Findings

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

The final MR Version 02 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	01	03	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	01	00
Calibration details	00	01	00
Monitoring plan	00	00	00
No Net harm assessment	00	01	00
Local stakeholder consultation	00	01	00

Areas of validation and verification findings	No. of CL	No. of CAR	No. of FAR
Others (please specify)	00	00	00
Total	01	07	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 periodic verification of the project activity and no FAR was raised from 3rd verification.

2.6 Eligibility for Validation Activities

This section is not applicable for present verification.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

Project activity has not participated under other GHG program and other form of environmental credits other than Tamil Nadu 45 MW WTGs. Tamilnadu 45 MW WTGs are under REC. The electricity generated from 45 MW REC component of Tamil Nadu are not considered for emission reduction calculation to avoid any double accounting. The HTSC numbers DRA 01 ,03 ,04 ,05, 06, 07 ,08, 09, 12, 13, 15, 17, 18, 21, 22,23,24,25,26,27,31,32,33,43,44,46,47,48,49,54 (TOTAL 30 WTGs of 1.5 MW from Tamil Nadu site) is availing REC and not included in invoices. Thus, electricity generated from these WTGs having REC component are not considered for emission reductions calculations for current complete monitoring period.

3.2 Methodology Deviations

No deviation requested by PP.

3.3 Project Description Deviations

PP has requested deviation in in cross check mechanism of net electricity to grid for the Tamilnadu site WTGs as electricity generated at this site are under group captive since commissioning. To meet captive consumption of group consumers annual energy requirement, banking is done during high wind season ((i.e., from June to Oct) and then those units will get utilize in low wind season (ie. from Nov to Mar). Due to this, monthly net electricity export in the invoice would not be consistent with value in the JMR and hence not appropriate to compare or to take lower values as conservative approach. Also, TANGEDCO will deduct Transmission & Distribution loss in generating end while doing the energy allocation. This T&D loss will vary based on consumer drawal voltage (3.06%, 4.24%. Due to above reason, the comparison of JMR and invoices value for Tamilnadu Site (Vagarai) is not appropriate as there is adjustment of electricity due to banking. Thus PP is considering the JMR value for net electricity supplied to grid and for emission reduction calculations. There is no cross check possible due to difference in JMR and invoice values due to wheeling and banking PPA for Tamilnadu site, hence only JMR value is considered for ER calculations. Moreover, State electricity board do the adjustment in invoice based on JMR value and consumer energy requirement. Hence acceptable to assessment team.

Since JMRs are issued by state electricity board and authentic and hence JMR values are considered for ER calculations are considered appropriate by the assessment team. There is no material impact on ER calculations as primary source of data are correctly applied for ER calculations.

3.4 Grouped Project

This is not a grouped project.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

During the onsite audit with PP representative, it was concluded that the project is implemented as per the requirement of the registered VCS PD and approved monitoring plan. During the current monitoring period, it was observed via the breakdown log sheets maintained onsite that no unforeseen incident/event evolved which can impact the operation of the project activity. The project underwent continuous operation and only scheduled maintenance as per the manufactures specification which is acceptable to the

assessment team. Moreover, there is no unforeseen incident which can affect the applicability of the methodology and thus the same is acceptable to the assessment team.

Project location is confirmed by the assessment team through the GPS meters during onsite visit and also cross checked the same via Google software. Moreover, assessment team confirm that the latitudes and longitudes as mentioned in the VCS PD is correct. The WTG wise latitudes and longitudes are confirmed below:

Andhra Pradesh State:

S. No.	Feeder Nos.	Location No.	Latitude	Longitude
1	Feeder 1	508	15.154461 N	77.922135 E
2		510	15.157268 N	77.921522 E
3		511	15.158979 N	77.923322 E
4		513	15.161872 N	77.923761 E
5		514	15.163549 N	77.923292 E
6		515	15.165388 N	77.922815 E
7		516	15.166574 N	77.921892 E
8		517	15.167997 N	77.920787 E
9		518	15.16929 N	77.919977 E
10		519	15.170968 N	77.918066 E
11		520	15.172449 N	77.918783 E
12	Feeder 2	528	15.185218 N	77.923655 E
13		529	15.186921 N	77.923976 E
14		530	15.189489 N	77.925118 E
15		531	15.190881 N	77.925026 E
16	Feeder 3	532	15.206692 N	77.937622 E
17		533	15.208101 N	77.938972 E
18		534	15.209818 N	77.940958 E
19		535	15.211871 N	77.942781 E
20		536	15.215178 N	77.947515 E
21		537	15.216917 N	77.949166 E
22		538	15.218416 N	77.950564 E
23		539	15.221591 N	77.953603 E

24		540	15.225099 N	77.957372 E
25		541	15.226569 N	77.958248 E
26		542	15.228387 N	77.959399 E
27		543	15.229998 N	77.960501 E
28		545	15.223820 N	77.956471 E
29	Feeder 3	546	15.213598 N	77.946804 E
30		547	15.204944 N	77.93730 E
31	Feeder 2	551	15.188055 N	77.924987 E
32	Feeder 1	509	15.155886 N	77.920862 E
33		512	15.160386 N	77.923416 E
34	Feeder 2	521	15.174326 N	77.91959 E
35		522	15.175897 N	77.92030 E
36		523	15.177475 N	77.921177 E
37		524	15.179081 N	77.921943 E
38		525	15.180875 N	77.922916 E
39		526	15.182457 N	77.923515 E
40		527	15.183845 N	77.923022 E
41	Feeder 3	544	15.231485 N	77.961368 E
42		548	15.202938 N	77.936743 E
43		549	15.201556 N	77.936035 E
44	Feeder 2	550	15.192441 N	77.927995 E

Tamilnadu State

S.No.	Machine ID	Feeder Nos.	HTSC No.	Latitude	Longitude
1	KOO - 518	Feeder 9	DRA 001	10.695026 N	77.570779 E
2	KOO - 1359		DRA 003	10.688039 N	77.592838 E
3	APY - 241	Feeder 5	DRA 004	10.696430 N	77.655525 E
4	APY - 416		DRA 005	10.693031 N	77.653586 E
5	PAR - 9		DRA 006	10.678811 N	77.553641 E
6	PON - 534		DRA 008	10.676050 N	77.571935 E
7	PON - 1043		DRA 009	10.729955 N	77.576547 E

8	NAL-119	Feeder 2	DRA 012	10.652837 N	77.545505 E
9	NAL - 81	Feeder 5	DRA 013	10.664993 N	77.528386 E
10	NAL - 57		DRA 015	10.763263 N	77.625708 E
11	MAN - 210	Feeder 9	DRA 017	10.727352 N	77.585324 E
12	MAN - 898		DRA 018	10.713748 N	77.629144 E
13	MAN - 802		DRA 021	10.657353 N	77.553426 E
14	KON - 556	Feeder 4	DRA 022	10.650216 N	77.649013 E
15	KON - 563		DRA 023	10.699483 N	77.688256 E
16	KON - 590		DRA 024	10.684740 N	77.608212 E
17	KON - 640		DRA 025	10.738135 N	77.688168 E
18	KON - 658		DRA 026	10.670208 N	77.629071 E
19	KON - 621		DRA 027	10.667608 N	77.611546 E
20	KON - 501	Feeder 3	DRA 031	10.694380 N	77.634057 E
21	ALA - 1639	Feeder 8	DRA 043	10.665640 N	77.659623 E
22	ALA - 1946		DRA 044	10.663297 N	77.566886 E
23	NAL - 434	Feeder 6	DRA 049	10.648711 N	77.550586 E
24	KON - 234		DRA 054	10.658922 N	77.561651 E
25	PAR - 50	Feeder 5	DRA 007	10.737605 N	77.627596 E
26	MAN - 625	Feeder 3	DRA 032	10.662515 N	77.557552 E
27	MAN - 604	Feeder 2	DRA 033	10.644345 N	77.515043 E
28	ALA- 2301/2304	Feeder 8	DRA 046	10.720840 N	77.587169 E
29	ALA - 1569		DRA 047	10.759444 N	77.604996 E
30	ALA-2352		DRA 048	10.763189 N	77.616268 E
31	KOO - 1157	Feeder 2	DRA 002	10.669956 N	77.554773 E
32	PON - 1081		DRA 010	10.660363 N	77.617842 E
33	MAN - 940	Feeder 9	DRA 019	10.668934 N	77.569253 E
34	PON - 1565	Feeder 9	DRA 037	10.673908 N	77.529976 E
35	PON - 1568	Feeder 6	DRA 038	10.646536 N	77.555893 E
36	VEL - 1936	Feeder 8	DRA 039	10.677837 N	77.535691 E
37	ALA - 1618	Feeder 9	DRA 042	10.66492 N	77.547432 E

38	PON - 908	Feeder 8	DRA 050	10.718534 N	77.615573 E
39	PON - 1203	Feeder 6	DRA 052	10.71890 N	77.581396 E
40	MAN - 963	Feeder 7	DRA 055	10.683484 N	77.617876 E
41	PON - 1021	Feeder 2	DRA 011	10.773698 N	77.61412 E
42	KUL - 652	Feeder 5	DRA 014	10.68742 N	77.616146 E
43	PON - 4		DRA 016	10.692721 N	77.615369 E
44	MAN-828	Feeder 9	DRA 020	10.692721 N	77.615369 E
45	KON - 618	Feeder 3	DRA 028	10.710023 N	77.646516 E
46	KON-395		DRA 029	10.77361 N	77.639413 E
47	KON-451	Feeder 2	DRA 030	10.754682 N	77.62652 E
48	APA-84	Feeder 3	DRA 034	10.689743 N	77.610703 E
49	PUN-270		DRA 035	10.66565 N	77.517593 E
50	PUN - 34		DRA 036	10.673745 N	77.54778 E
51	VEL-1702	Feeder 9	DRA 040	10.681788 N	77.689854 E
52	KAL-93	Feeder 8	DRA 041	10.649539 N	77.51747 E
53	ALA-2290		DRA 045	10.654515 N	77.559157 E
54	PON - 775	Feeder 6	DRA 051	10.65057 N	77.580673 E
55	ALA - 2260		DRA 053	10.620784 N	77.564648 E
56	MET 1664	Feeder 7	DRA 065	10.630660 N	77.569115 E
57	NAL - 445		DRA 061	10.684400 N	77.563052 E
58	KOO-1036	Feeder 6	DRA 056	10.667224 N	77.539641 E
59	VEL-1540		DRA 060	10.683467 N	77.536761 E
60	KOO-1174	Feeder 7	DRA 058	10.677765 N	77.616831 E
61	KOO-1000	Feeder 7	DRA 057	10.714956 N	77.67510 E
62	PON-1304		DRA 059	10.659904 N	77.651955 E
63	APY-247		DRA 064	10.656300 N	77.62939 E
64	KON-411		DRA 67	10.765864 N	77.633324 E
65	KOO - 581		DRA 062	10.709670 N	77.627337 E
66	VEL - 2119		DRA 063	10.753168 N	77.683129 E
67	ALA 1385		DRA 066	10.762752 N	77.680226 E

Karnataka State:

S.No.	Feeder Nos.	Machine ID	Latitude (N)	Longitude (E)
1	Feeder 01	MVKPL_01-03	17° 09' 49.3"	75° 43' 2.6"
2		MVKPL_01-04	17° 09' 37.1"	75° 43' 1.5"
3		MVKPL_01-05	17° 09' 31.4"	75° 43' 1.1"
4		MVKPL_01-06	17° 9' 29.4"	75° 43' 18.8"
5		MVKPL_01-07	17° 9' 24.3"	75° 43' 21.4"
6		MVKPL_01-08	17° 9' 16.6"	75° 43' 26.9"
7		MVKPL_01-09	17° 09' 11.2"	75° 43' 28.3"
8		MVKPL_01-10	17° 9' 3.6"	75° 44' 26.9"
9		MVKPL_01-11	17° 8' 59.1"	75° 44' 31"
10		MVKPL_01-12	17° 8' 51.9"	75° 44' 34.5"
11		MVKPL_01-13	17° 8' 38.9"	75° 44' 20.9"
12		MVKPL_01-14	17° 8' 34.3"	75° 44' 26.1"
13		MVKPL_01-15	17° 8' 26.2"	75° 44' 26.7"
14	Feeder 2	MVKPL_02-01	17° 09' 02.4"	75° 42' 49.2"
15		MVKPL_02-02	17° 08' 57.4"	75° 42' 44.3"
16		MVKPL_02-03	17° 08' 51.0"	75° 42' 39.8"
17		MVKPL_02-04	17° 08' 52.5"	75° 42' 31.9"
18		MVKPL_02-05	17° 08' 45.7"	75° 42' 41.7"
19		MVKPL_02-06	17° 08' 36.2"	75° 42' 37.6"
20		MVKPL_02-07	17° 08' 31.4"	75° 42' 31.1"
21		MVKPL_02-08	17° 08' 22.3"	75° 42' 23.2"
22		MVKPL_02-09	17° 08' 20.5"	75° 42' 46.8"
23		MVKPL_02-10	17° 08' 40.9"	75° 42' 53.7"
24		MVKPL_02-11	17° 08' 35.6"	75° 42' 59"

25		MVKPL_02-12	17° 08' 29.4"	75° 42' 59.9"
26		MVKPL_02-13	17° 08' 22.0"	75° 43' 00.1"
27		MVKPL_02-14	17° 08' 12.4"	75° 43' 03.0"
28		MVKPL_02-15	17° 08' 06.8"	75° 43' 04.7"
29		MVKPL_02-16	17° 08' 17.9"	75° 44' 29.8"
30		MVKPL_02-17	17° 07' 59.4"	75° 43' 53.5"
31		MVKPL_02-18	17° 07' 53.6"	75° 43' 50.9"
32		MVKPL_02-19	17° 07' 49.5"	75° 43' 36.0"
33		MVKPL_02-20	17° 07' 24.0"	75° 44' 02.4"
34	Feeder 3	MVKPL_03-01	17° 07' 03.4"	75° 41' 51.5"
35		MVKPL_03-02	17° 07' 10.6"	75° 42' 08.1"
36		MVKPL_03-03	17° 07' 52.0"	75° 42' 09.8"
37		MVKPL_03-04	17° 07' 03.2"	75° 42' 21.6"
38		MVKPL_03-05	17° 07' 29.2"	75° 42' 37.1"
39		MVKPL_03-06	17° 07' 44.7"	75° 43' 03.3"
40		MVKPL_03-07	17° 07' 48.5"	75° 42' 58.7"
41		MVKPL_03-08	17° 07' 18.6"	75° 43' 03.0"
42		MVKPL_03-09	17° 07' 11.3"	75° 43' 01.4"
43		MVKPL_03-10	17° 07' 04.4"	75° 42' 57.3"
44		MVKPL_03-11	17° 06' 58.5"	75° 42' 58.1"
45		MVKPL_03-12	17° 07' 34.2"	75° 43' 37.7"
46		MVKPL_03-13	17° 07' 18.1"	75° 43' 24.2"
47		MVKPL_03-14	17° 07' 12.3"	75° 43' 25.2"
48		MVKPL_03-15	17° 07' 06.2"	75° 43' 36.3"
49		MVKPL_03-16	17° 06' 51.9"	75° 42' 0.1"
50		MVKPL_03-17	17° 6' 46.2"	75° 43' 59.9"

51		MVKPL_03-18	17° 06' 37.9"	75° 43' 55.5"
52		MVKPL_03-19	17° 06' 31.1"	75° 43' 49.7"
53	Feeder 4	MVKPL_04-01	17° 06' 35.1"	75° 42' 52.8"
54		MVKPL_04-02	17° 06' 01.9"	75° 42' 29.4"
55		MVKPL_04-03	17° 05' 54.7"	75° 42' 21.6"
56		MVKPL_04-04	17° 05' 51.3"	75° 42' 46.6"
57		MVKPL_04-05	17° 05' 46.4"	75° 42' 41.3"
58		MVKPL_04-06	17° 05' 39.9"	75° 42' 41.6"
59		MVKPL_04-07	17° 06' 35.9"	75° 43' 23.6"
60		MVKPL_04-08	17° 06' 28.8"	75° 43' 24.4"
61		MVKPL_04-09	17° 06' 23.9"	75° 43' 47.1"
62		MVKPL_04-10	17° 06' 15.6"	75° 43' 39.4"
63		MVKPL_04-11	17° 05' 59.5"	75° 43' 31.8"
64		MVKPL_04-12	17° 05' 27.3"	75° 43' 30.0"
65		MVKPL_04-13	17° 06' 04.5"	75° 43' 55.5"
66		MVKPL_04-14	17° 05' 59.0"	75° 43' 54.1"
67		MVKPL_04-15	17° 05' 51.0"	75° 43' 53.2"
68		MVKPL_04-16	17° 05' 38.9"	75° 43' 45.7"
69		MVKPL_04-17	17° 05' 30.6"	75° 43' 49.0"
70		MVKPL_04-18	17° 06' 02.7"	75° 44' 32.2"
71		MVKPL_04-19	17° 05' 53.1"	75° 44' 20.5"
72		MVKPL_04-20	17° 05' 48.0"	75° 44' 11.2"
73		MVKPL_04-21	17° 05' 42.7"	75° 44' 20.2"
74	Feeder 5	MVKPL_05-01	17° 05' 54.8"	75° 40' 38.6"E
75		MVKPL_05-02	17° 05' 49.1"	75° 40' 40.6"
76		MVKPL_05-03	17° 05' 43.2"	75° 40' 40"

77		MVKPL_05-04	17° 05' 37.5"	75° 40' 39.2"
78		MVKPL_05-05	17° 05' 31.7"	75° 40' 38.1"
79		MVKPL_05-06	17° 5' 26.1"	75° 40' 34"
80		MVKPL_05-07	17° 05' 20.1"	75° 40' 30.9"
81		MVKPL_05-08	17° 05' 13.9"	75° 40' 32.7"
82		MVKPL_05-09	17° 05' 44.4"	75° 41' 52.6"
83		MVKPL_05-10	17° 05' 29.6"	75° 41' 42.6"
84		MVKPL_05-11	17° 05' 25.2"	75° 41' 26.4"
85		MVKPL_05-12	17° 05' 23.1"	75° 41' 49"
86		MVKPL_05-13	17° 05' 16.5"	75° 41' 48"
87		MVKPL_05-14	17° 05' 12.5"	75° 41' 59.3"
88		MVKPL_05-15	17° 05' 3.4"	75° 41' 57.6"
89		MVKPL_05-16	17° 05' 52.3"	75° 41' 36.9"
90		MVKPL_05-17	17° 05' 45.3"	75° 41' 33"
91		MVKPL_05-18	17° 05' 34.7"	75° 41' 32.7"
92	Feeder 6	MVKPL_06-01	17° 04' 51.4"	75° 42' 53.2"
93		MVKPL_06-02	17° 04' 43.4"	75° 42' 58.2"
94		MVKPL_06-03	17° 04' 31.8"	75° 43' 01.3"
95		MVKPL_06-04	17° 04' 25.3"	75° 43' 0.4"
96		MVKPL_06-05	17° 05' 9.3"	75° 43' 42.7"
97		MVKPL_06-06	17° 05' 5.6"	75° 43' 49.8"
98		MVKPL_06-07	17° 04' 53"	75° 43' 54.7"
99		MVKPL_06-08	17° 04' 45.3"	75° 44' 0.8"
100		MVKPL_06-09	17° 04' 28"	75° 44' 9.1"
101		MVKPL_06-10	17° 04' 20.3"	75° 44' 12.4"
102		MVKPL_06-11	17° 04' 12.7"	75° 44' 13.8"

103	MVKPL_06-12	17° 03' 48.9"	75° 44' 23.9"
104	MVKPL_06-13	17° 03' 55.5"	75° 44' 22.7"
105	MVKPL_06-14	17° 04' 57.8"	75° 42' 49.1"
106	MVKPL_06-15	17° 04' 9.1"	75° 44' 22.6"
107	MVKPL_06-16	17° 04' 5.2"	75° 43' 45.8"
108	MVKPL_06-17	17° 04' 1.3"	75° 45' 0"
109	MVKPL_06-18	17° 03' 41.6"	75° 44' 49.5"
110	MVKPL_06-19	17° 03' 55"	75° 43' 44.1"
111	MVKPL_06-20	17° 03' 44.1"	75° 44' 49"
112	MVKPL_06-21	17° 03' 50.6"	75° 44' 48.9"

Assessment team checked the commissioning certificate and confirmed that the dates of Commission for the WTGs are correct. Assessment team also confirm during the onsite visit that there is no change in project design and the project is implemented as per the description provided in the VCS PD. The commissioning dates of WTGs are provided below:

Date of Commissioning of WTGs for Tamil Nadu

Vagarai@ Tamil Nadu - 100.5 MW (1.5 * 67)			
ReGen make Vensys - 87 1.5 MW WTG of model			
S. No.	Machine ID	HTSC No.	DOC ¹
1	KOO - 518	DRA 001	01/06/2014
2	KOO - 1359	DRA 003	01/06/2014
3	APY - 241	DRA 004	01/06/2014
4	APY - 416	DRA 005	01/06/2014
5	PAR - 9	DRA 006	01/06/2014
6	PON - 534	DRA 008	01/06/2014
7	PON - 1043	DRA 009	01/06/2014

¹Date Of commissioning

8	NAL-119	DRA 012	01/06/2014
9	NAL - 81	DRA 013	01/06/2014
10	NAL - 57	DRA 015	01/06/2014
11	MAN - 210	DRA 017	01/06/2014
12	MAN - 898	DRA 018	01/06/2014
13	MAN - 802	DRA 021	01/06/2014
14	KON - 556	DRA 022	01/06/2014
15	KON - 563	DRA 023	01/06/2014
16	KON - 590	DRA 024	01/06/2014
17	KON - 640	DRA 025	01/06/2014
18	KON - 658	DRA 026	01/06/2014
19	KON - 621	DRA 027	01/06/2014
20	KON - 501	DRA 031	01/06/2014
21	ALA - 1639	DRA 043	23/06/2014
22	ALA - 1946	DRA 044	23/06/2014
23	NAL - 434	DRA 049	23/06/2014
24	KON - 234	DRA 054	14/07/2014
25	PAR - 50	DRA 007	01/06/2014
26	MAN - 625	DRA 032	01/06/2014
27	MAN - 604	DRA 033	01/06/2014
28	ALA-2301/2304	DRA 046	23/06/2014
29	ALA - 1569	DRA 047	23/06/2014
30	ALA-2352	DRA 048	23/06/2014
31	KOO - 1157	DRA 002	01/06/2014
32	PON - 1081	DRA 010	01/06/2014
33	MAN - 940	DRA 019	01/06/2014

34	PON - 1565	DRA 037	23/06/2014
35	PON - 1568	DRA 038	23/06/2014
36	VEL - 1936	DRA 039	23/06/2014
37	ALA - 1618	DRA 042	23/06/2014
38	PON - 908	DRA 050	23/06/2014
39	PON - 1203	DRA 052	23/06/2014
40	MAN - 963	DRA 055	16/07/2014
41	PON - 1021	DRA 011	01/06/2014
42	KUL - 652	DRA 014	01/06/2014
43	PON - 4	DRA 016	01/06/2014
44	MAN-828	DRA 020	01/06/2014
45	KON - 618	DRA 028	01/06/2014
46	KON-395	DRA 029	01/06/2014
47	KON-451	DRA 030	01/06/2014
48	APA-84	DRA 034	01/06/2014
49	PUN-270	DRA 035	01/06/2014
50	PUN - 34	DRA 036	04/06/2014
51	VEL-1702	DRA 040	23/06/2014
52	KAL-93	DRA 041	23/06/2014
53	ALA-2290	DRA 045	23/06/2014
54	PON - 775	DRA 051	23/06/2014
55	ALA - 2260	DRA 053	23/06/2014
56	MET 1664	DRA 065	09/01/2015
57	NAL - 445	DRA 061	03/12/2014
58	KOO-1036	DRA 056	31/10/2014
59	VEL-1540	DRA 060	03/12/2014

60	KOO-1174	DRA 058	31/10/2014
61	KOO-1000	DRA 057	31/10/2014
62	PON-1304	DRA 059	31/10/2014
63	APY-247	DRA 064	06/01/2015
64	KON-411	DRA 67	26/02/2015
65	KOO - 581	DRA 062	18/12/2014
66	VEL - 2119	DRA 063	24/12/2014
67	ALA 1385	DRA 066	04/02/2015

Date of commissioning of WTG at Karnataka

Savalsang@ Karnataka - 95.20 MW (0.85*112)		
Gamesa Make WTG model G53/850 kW		
S. No.	Machine ID	DOC ²
1	MVKPL-1-03	29/04/2014
2	MVKPL-1-04	02/06/2014
3	MVKPL-1-05	02/06/2014
4	MVKPL-1-06	29/04/2014
5	MVKPL-1-07	29/04/2014
6	MVKPL-1-08	29/04/2014
7	MVKPL-1-09	29/04/2014
8	MVKPL-1-10	29/04/2014
9	MVKPL-1-11	29/04/2014
10	MVKPL-1-12	29/04/2014
11	MVKPL-1-13	29/04/2014
12	MVKPL-1-14	29/04/2014

²Date Of commissioning

13	MVKPL-1-15	29/04/2014
14	MVKPL-2-01	29/04/2014
15	MVKPL-2-02	29/04/2014
16	MVKPL-2-03	29/04/2014
17	MVKPL-2-04	29/04/2014
18	MVKPL-2-05	29/04/2014
19	MVKPL-2-06	29/04/2014
20	MVKPL-2-07	29/04/2014
21	MVKPL-2-08	29/04/2014
22	MVKPL-2-09	29/04/2014
23	MVKPL-2-10	29/04/2014
24	MVKPL-2-11	29/04/2014
25	MVKPL-2-12	29/04/2014
26	MVKPL-2-13	29/04/2014
27	MVKPL-2-14	29/04/2014
28	MVKPL-2-15	29/04/2014
29	MVKPL-2-16	29/04/2014
30	MVKPL-2-17	29/04/2014
31	MVKPL-2-18	29/04/2014
32	MVKPL-2-19	29/04/2014
33	MVKPL-2-20	29/04/2014
34	MVKPL-3-01	29/04/2014
35	MVKPL-3-02	29/04/2014
36	MVKPL-3-03	29/04/2014
37	MVKPL-3-04	29/04/2014
38	MVKPL-3-05	29/04/2014

39	MVKPL-3-06	29/04/2014
40	MVKPL-3-07	29/04/2014
41	MVKPL-3-08	29/04/2014
42	MVKPL-3-09	29/04/2014
43	MVKPL-3-10	29/04/2014
44	MVKPL-3-11	29/04/2014
45	MVKPL-3-12	29/04/2014
46	MVKPL-3-13	29/04/2014
47	MVKPL-3-14	29/04/2014
48	MVKPL-3-15	29/04/2014
49	MVKPL-3-16	29/04/2014
50	MVKPL-3-17	29/04/2014
51	MVKPL-3-18	02/06/2014
52	MVKPL-3-19	29/04/2014
53	MVKPL-4-01	02/06/2014
54	MVKPL-4-02	29/04/2014
55	MVKPL-4-03	29/04/2014
56	MVKPL-4-04	29/04/2014
57	MVKPL-4-05	29/04/2014
58	MVKPL-4-06	02/06/2014
59	MVKPL-4-07	29/04/2014
60	MVKPL-4-08	29/04/2014
61	MVKPL-4-09	02/06/2014
62	MVKPL-4-10	29/04/2014
63	MVKPL-4-11	29/04/2014
64	MVKPL-4-12	29/04/2014

65	MVKPL-4-13	29/04/2014
66	MVKPL-4-14	29/04/2014
67	MVKPL-4-15	29/04/2014
68	MVKPL-4-16	02/06/2014
69	MVKPL-4-17	02/06/2014
70	MVKPL-4-18	29/04/2014
71	MVKPL-4-19	29/04/2014
72	MVKPL-4-20	29/04/2014
73	MVKPL-4-21	29/04/2014
74	MVKPL-5-01	29/04/2014
75	MVKPL-5-02	29/04/2014
76	MVKPL-5-03	29/04/2014
77	MVKPL-5-04	29/04/2014
78	MVKPL-5-05	29/04/2014
79	MVKPL-5-06	29/04/2014
80	MVKPL-5-07	29/04/2014
81	MVKPL-5-08	29/04/2014
82	MVKPL-5-09	29/04/2014
83	MVKPL-5-10	29/04/2014
84	MVKPL-5-11	29/04/2014
85	MVKPL-5-12	29/04/2014
86	MVKPL-5-13	29/04/2014
87	MVKPL-5-14	02/06/2014
88	MVKPL-5-15	02/06/2014
89	MVKPL-5-16	02/06/2014
90	MVKPL-5-17	02/06//2014

91	MVKPL-5-18	02/06/2014
92	MVKPL-6-01	26/07/2014
93	MVKPL-6-02	26/07/2014
94	MVKPL-6-03	26/07/2014
95	MVKPL-6-04	26/07/2014
96	MVKPL-6-05	26/07/2014
97	MVKPL-6-06	26/07/2014
98	MVKPL-6-07	26/07/2014
99	MVKPL-6-08	26/07/2014
100	MVKPL-6-09	26/07/2014
101	MVKPL-6-10	26/07/2014
102	MVKPL-6-11	23/01/2015
103	MVKPL-6-12	26/07/2014
104	MVKPL-6-13	26/07/2014
105	MVKPL-6-14	26/07/2014
106	MVKPL-6-15	26/07/2014
107	MVKPL-6-16	23/01/2015
108	MVKPL-6-17	26/07/2014
109	MVKPL-6-18	26/07/2014
110	MVKPL-6-19	26/07/2014
111	MVKPL-6-20	23/01/2015
112	MVKPL-6-21	23/01/2015

Date of Commissioning at Andhra Pradesh

Burugula @ Andhra Pradesh - 37.40MW (0.85* 44)		
Gamesa Make WTG model G53/850 kW		
S. No.	Machine ID	DOC ³
1	Location No. 508	21/02/2014
2	Location No. 509	21/02/2014
3	Location No. 510	21/02/2014
4	Location No. 511	21/02/2014
5	Location No. 512	21/02/2014
6	Location No. 513	21/02/2014
7	Location No. 514	21/02/2014
8	Location No. 515	21/02/2014
9	Location No. 516	21/02/2014
10	Location No. 517	21/02/2014
11	Location No. 518	21/02/2014
12	Location No. 519	21/02/2014
13	Location No. 520	21/02/2014
14	Location No. 521	21/02/2014
15	Location No. 522	21/02/2014
16	Location No. 523	21/02/2014
17	Location No. 524	21/02/2014
18	Location No. 525	21/02/2014
19	Location No. 526	21/02/2014
20	Location No. 527	21/02/2014

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21	Location No. 528	21/02/2014
22	Location No. 529	21/02/2014
23	Location No. 530	21/02/2014
24	Location No. 531	21/02/2014
25	Location No. 550	21/02/2014
26	Location No. 551	21/02/2014
27	Location No. 532	15/03/2014
28	Location No. 533	15/03/2014
29	Location No. 534	15/03/2014
30	Location No. 535	15/03/2014
31	Location No. 536	15/03/2014
32	Location No. 537	15/03/2014
33	Location No. 538	15/03/2014
34	Location No. 539	15/03/2014
35	Location No. 540	15/03/2014
36	Location No. 541	15/03/2014
37	Location No. 542	15/03/2014
38	Location No. 543	15/03/2014
39	Location No. 544	15/03/2014
40	Location No. 545	15/03/2014
41	Location No. 546	15/03/2014
42	Location No. 547	15/03/2014
43	Location No. 548	15/03/2014
44	Location No. 549	15/03/2014

Operation and maintenance (O & M) of the project activity is being done by the Regen Powertech Private Limited for the project of Tamilnadu state and Gamesa Wind Turbines Private Limited for the project of Andhra and Karnataka state. The same has been verified with the O & M Agreement.

The assessment team confirmed through onsite visit with PP representative that there is no proposed or actual change to the project design during this monitoring period. It was observed that the monitoring plan was implemented as per the registered VCS PD and applied methodology ACM0002, Version 16.0. The organisational role and responsibility as mentioned in the registered VCS PD is followed onsite. Meters are calibrated as per calibration frequency in registered VCS PD. All the emergency preparedness as mentioned in the registered VCS PD is followed onsite and no discrepancies were found regarding the same. Though PP has not applied this project in any other form of environmental credits other than Tamil Nadu 45 MW WTGs. The electricity generated from 45 MW REC component of Tamil Nadu are not included for VCU calculations to avoid any double accounting. The HTSC numbers DRA 01 ,03 ,04 ,05, 06, 07 ,08, 09, 12, 13, 15, 17, 18, 21, 22,23,24,25,26,27,31,32,33,43,44,46,47,48,49,54 (TOTAL 30 WTGs of 1.5 MW from Tamil Nadu site) is availing REC. Thus, electricity generated from these WTGs having REC component are not considered for VCU calculations for current complete monitoring period.

The assessment team observed that the project is implemented in accordance with the registered VCS PD, final validation report and approved methodology and thus no clarification/deviation is sought. CL 01, CAR 01, CAR 03, CAR 04 and CAR 05 were raised rated to implementation of project activity during the verification process and closed successfully. Please refer below Appendix 2 for the detail closure of the CAR

Assessment team confirms following during the verification site visit:

1. Start date of the project is 21/02/2014, which is the date of commissioning of the 26 WTGs in Andhara Pradesh as per commissioning Certificates.
2. An undertaking letter dated: 02/12/2020 has been submitted by PP for 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 except Tamil Nadu 45 MW WTGs. The electricity generated from 45 MW REC component of Tamil Nadu are not included for VCU calculations to avoid any double accounting. The HTSC numbers DRA 01,03 ,04 ,05, 06, 07 ,08, 09, 12, 13, 15, 17, 18, 21, 22,23,24,25,26,27,31,32,33,43,44,46,47,48,49,54 (Total 30 WTGs of 1.5 MW from Tamil Nadu site) is availing REC. Further, PP has requested deviation for cross check mechanism for Tamilnadu site, being group captive consumption banking of electricity is done, hence JMR value is considered for ER calculations. The same is described in Section 3.3 of this report.
3. Assessment team confirms that this is the 4th monitoring under VCS and covers the activity from 02/08/2019 to 31/03/2020 (inclusive of both dates). The project activity adopts renewable crediting period of 10 years period and can be renewed for maximum 2 times. 21/02/2014 is the start date and 20/02/2024 will be the end date of the crediting period.

The GHG credits from 02/08/2019 to 31/03/2020 will be claimed under VCS only. At any point of time during the crediting period, the project proponent will abide by the “Double Counting”.

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

Organization name	Mytrah Energy (India) Limited
Contact person	Mr. Santosh Kotti
Title	Assistant Manager
Address	1st Floor, 8001, 8th Floor, Q-City, Nanakramguda, Gachibowli Hyderabad 500032, Telangana, INDIA
Telephone	+91 9655967839
Email	santosh.kotti@mytrah.com

5. Assessment team also checked the details of other entity and found that Other entity involved in this project is

Organization name	EKI Energy Services Limited
Contact person	Anjali Rao
Title	Project Manager
Address	Office No. 201, EnKing Embassy, Plot No. 48, Scheme No. 78, Part II, Vijay Nagar INDORE – 452010, India.
Telephone	+91 9109120940
Email	anjali@enkingint.org

6. The quantified emission reduction calculation for the monitoring period is correct and conservative. Assessment team also compared actual VER with the estimated VER and found that the actual VER is 168,371 tCO₂e which is 32.68 % lower than the estimated emission reduction 250,096 tCO₂e (375,658 tCO₂e/ 365 days* 243 days) excluding 45 MW REC component during this monitoring period which is due to lower wind flow pattern and low PLF attained by the wind power plant during the current monitoring period.

SUSTAINABLE DEVELOPMENT:

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

1. Social well-being
2. Economic well-being

3. Environmental well-being

4. Technological well-being

Social well-being

The project activity provided / provides job opportunity to local people during commissioning and maintenance of the wind power plant. Frequency of visiting villages and nearby areas by skilled, technical and industrialist increase due to installation/site visit/operation and maintenance work related to wind plant. This directly and indirectly positively effects the economy of villages and nearby area.

Environmental well-being

Wind power is one of the cleanest renewable energy powers and does not involve any fossil fuel. There are no GHG emissions. The impact on land, water, air and soil is negligible. Thus, the project activity contributes to environmental well-being without causing any negative impact on the surrounding environment.

Economic well-being

The VCS project activity generates permanent and temporary employment opportunity within the vicinity of the project. The electricity supply in the nearby area improves which directly and indirectly improves the economy and life style of the area.

Technological well-being

The project activity is step forward in harnessing the untapped wind energy and further diffusion of the wind technology in the region. The project activity leads to the promotion and demonstrates the success of wind projects in the region which further motivate more investors to invest in wind power projects. Hence, the project activity leads to technological well-being.

In view of the above, the PP has considered that the project activity profoundly contributes to the sustainable development.

4.2 Safeguards

4.2.1 No Net Harm

No potential environment or socio-economic matter was found during the site visit. The project is renewable energy project and thus no negative impact observed onsite.

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 2013⁴. This report clearly mentioned 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 notification⁵ solar/wind project falls under White Category and are practically non-polluting.

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 feedback/complaint register 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, ver. 4.0 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.

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 VCS PD. The verification team has checked whether calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the monitoring plan of the VCS PD
Findings	CAR 06 was raised during the verification process and closed successfully. Please refer Appendix 2 of this report for the detail closure of the CAR.
Conclusion	The baseline Emissions for a given year is calculated by multiplying the energy baseline (EB) with the regional grid emission factor. Formula Used- Baseline emission:

⁴ <https://smartnet.niua.org/sites/default/files/resources/report-on-developmental-impacts-of-RE.pdf>

⁵ http://envfor.nic.in/sites/default/files/Latest_118_Final_Directions.pdf

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

Where,

BE_y = Baseline Emissions in year y; tCO₂

$EG_{PJ,y}$ = Quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid in year y

$EF_{grid, CM, y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the "Tool to calculate the emission factor for an electricity system" (tCO₂/MWh)

Ex-ante parameters:

The baseline emission factors are taken ex-ante in line with the registered VCS PD as well as cross checked with section validation report and found correct. Combined margin CO₂ emission factor of Southern grid ($EF_{grid,CM,y}$) is equal to 0.9817 tCO₂/MWh. The calculation approach was in line with the VCS PD.

Values are as follows:

$$EF_{grid,OM,y} = 0.9887 \text{ tCO}_2/\text{MWh}$$

$$EF_{grid,BM,y} = 0.9609 \text{ tCO}_2/\text{MWh}$$

$$EF_{grid,CM,y} = 0.9817 \text{ tCO}_2/\text{MWh}$$

Ex-post parameter:

As per the registered VCS PD and monitoring plan, $EG_{PJ,y}$ (Quantity of net electricity exported to the grid during the year y) and $E_{WEG,I,y}$ (Quantity of Electricity generated by the individual WEGs of the PP in year y) needs to be monitored.

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

$EG_{PJ,y}$ is calculated by totalling quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid in all three states as follows:

$$EG_{PJ,y} = EG_{BLKNy} + EG_{BLTNy} + EG_{BLAPy}$$

Where;

$$EG_{BLKNy} = EG_{Export,KN} - 115\% \times EG_{Import} - \text{Transmission Loss } (T_{E,KN})$$

$$EG_{BLTNy} = EG_{Export} - EG_{Import}$$

$$EG_{BLAPy} = EG_{Export} - EG_{Import}$$

The value of net electricity generation supplied to the grid is directly sources from the monthly electricity form B (JMRs) which contains the export, import and transmission losses (in case of Karnataka state project) which are recorded through dedicated SEB energy meter installed at the delivery point.

The net electricity supplied the grid by the project activity during the monitoring period is 171,511 MWh.

The verification team has checked the entire monthly electricity form B (JMRs) reports for the net electricity generated & supplied to the grid and crosschecked the same with the invoices raised by PP to the state Utilities

	for the monitoring period. 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 $BE_y = 171,511 \text{ MWh} \times 0.9817 \text{ tCO}_2\text{e/MWh}$ $= 168,371 \text{ tCO}_2\text{e (rundown values)}$ As per applied methodology ACM0002, version 16.0 and the VCS PD, project emission is considered zero as the project activity involved wind power generation. Leakage: As per applied methodology ACM0002, version 16.0 and VCS PD Leakage emissions are not considered for the project activity. Hence, ER_y= BE_y- PE_y= 168,371 tCO₂e- 0= 168,371 tCO₂e (rundown values) Verification team confirms that the monitoring has been carried out in accordance with the monitoring plan contained in the registered VCS PD.
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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. During the verification site visit the feeder wise location of the WTGs is also checked.
Findings	CAR 07 was raised during the verification process. The description of the CAR and its closure is described below in Appendix 2 of this report.
Conclusion	The metering is being carried out by electronic tri-vector bi-directional energy meter of accuracy class 0.2s (main & check) which measured both export and import at the State Electricity Board (SEB) substation. For measuring the energy delivered by the project activity, one set of main meters (at interconnection facilities) and check meters is provided at each feeders record several parameters including electricity board for JMRs electricity generation statements. The meters are monitored continuously and cumulative readings are taken at the end of the month by joint meter reading procedures. All the energy meters are under the control of state utility. The meter accuracy class and calibration interval are under purview of state electricity board and PP does not have any control on it. These are sealed by the state Utilities. The calibration frequency of meters is once in 5 year. Meters are calibrated by the state meter testing division of the state utility in the presence of O & M contractor/PP representative and the state utilities officials to ensure the working of meter within permissible error. The calculation of net electricity supplied to grid is under purview of state electricity board and PP does not have control on it. Calibration details of the monitoring meters checked with calibration certificates provided by PP and found that calibration frequency of once in 5 years is complied. The Calibration details of meters are provided in Appendix

	5. No delay in Calibration is observed by the assessment team for the current monitoring period. Calibration details are provided in Appendix 5 of this report. No unforced error observed and feeder wise WTGs location is also checked and found correct. Assessment team confirms that the energy meters are made of L & T and Secure of accuracy class of 0.2s, are calibrated as per the national standards followed by the electricity board.
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4.6 Non-Permanence Risk Analysis

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

5 VERIFICATION CONCLUSION

Applus+ Certification has been engaged by Mytrah Energy (India) Limited (subsidiary of Mytrah Vayu Krishna Private Limited and Mytrah Vayu (Manjira) Private Limited) to perform the 4th periodical verification of the “Wind Based Power Generation by Mytrah Energy (India) Limited (EKIESL-VCS-January-16-01)”.

The Mytrah Energy (India) Limited (subsidiary of Mytrah Vayu Krishna Private Limited and Mytrah Vayu (Manjira) Private Limited) is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project’s Monitoring Plan in the registered VCS PD and the applied methodology ACM 0002, Version 16.0.

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. Further, the verification has been planned and organized to achieve a Reasonable Level of assurance as per the requirement of VCS. No sampling procedure applied for site visit or 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 PD

- 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: 02/08/2019 to 31/03/2020(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)
2019	124,313	0	0	124,313
2020	44,058	0	0	44,058
Total	168,371	0	0	168,371

APPENDIX 1: DOCUMENTS REVIEWED OR REFERENCED (VERIFICATION)

No.	Author	Title	References to the document	Provider
1	NA	Commissioning certificates of the WTGs	Commissioning certificates	Project participant
2	NA	Contract of the project participant with the DOE	Contract document signed between PP and DOE	Project participant
3	NA	The operational lifetime of the project activity from the manufacturer = (Technical specifications)	Manufacturer technical specifications	Project participant
4	NA	Registered VCS PD https://registry.verra.org/app/projectDetail/VCS/1521	NA	Project participant
5	NA	Calibration Certificates of energy meters	Calibration Certificates	Project participant
6	NA	Emission reduction sheet version 01	ER sheet version 01 dated 28/10/2020	Project participant
7	NA	Emission reduction sheet version 02	ER sheet version 02 dated 30/11/2020	Project participant
8	NA	MR version 01	28/10/2020	Project participant
9	NA	MR version 02	30/11/2020	Project participant
10	NA	Power Purchase Agreement (PPA)	PPA	Project Participant
11	NA	O & M Agreement	O & M Agreement	Project Participant
12	NA	3rd Periodic Verification Report	Version 02, dated 26/09/2019	Project participant
13		Final VCS validation report	Version 01, Dated 12/02/2016	Project participant
14	NA	Tools/ guidelines used in the project activity - Glossary of CDM terms version 07 - VCS verification report template version 4.0	UNFCCC CDM/VCS web site	UNFCCC
15	NA	Monthly statement- JMR for the complete monitoring period	Monthly statement of electricity export and Import	Project participant
16	NA	Invoices for the complete monitoring period	Invoice	Project participant

17	NA	Declaration regarding no participation in other GHG program for the concerned monitoring period	Declaration dated 02/12/2020	Project participant
18	NA	Break Sown Details	NA	Project participant

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

Project Implementation Status

CLID	01	Date: 06/11/2020
Description of CL		
In section 1.1 of MR, PP has written as proposed project activity involves installation of wind Power Project. As project activity has already implemented, PP is requested to rephrase the sentence.		
Project participant response		Date: 30/11/2020
The sentence has been rephrased in this submission.		
Documentation provided by project participant		
VCS MR V02		
DOE assessment		Date: 04/12/2020
PP has rectified the Section 1.1 in revised MR. Thus, CL 01 closed .		

CAR ID	01	Date: 06/11/2020
Description of CAR		
During the site visit and subsequent document review it was observed that the details of feeder wise location of the Wind turbines is missing in the MR. Corrective action is sought in the respective section of the MR.		
Project participant response		Date: 30/11/2020
In this submission, section 1.7 of the VCS MR has been updated with the feeder wise location details of Wind turbines.		
Documentation provided by project participant		
VCS MR V02.		

DOE assessment	Date: 04/12/2020
PP now included feeder wise location of WTGs in Section 1.7 of revised MR. This, CAR closed .	

CAR ID	02	Date: 06/11/2020
Description of CAR		
The breakdown details of the Wind turbines are missing in the MR. Moreover, the supporting document regarding the breakdown details are not provided to the assessment team. Corrective action is sought.		
Project participant response		Date: 30/11/2020
Break-down details of the Wind turbines are now being updated in VCS MR V02. Supporting regarding the same has been provided.		
Documentation provided by project participant		
VCS MR V02, Break-down excel sheet		
DOE assessment		Date: 04/12/2020
PP has included the breakdown details in Appendix III of revised MR and also provided the copy of breakdowns (plant log book). The verification team has checked the break down details from plant logbook and confirms that there was no major breakdown or shut downs during the monitoring period which might affect the applicability of methodology or might cause material errors in emission reductions. Thus, CAR 02 closed .		

CAR ID	03	Date: 06/11/2020
Description of CAR		
During the review of documents submitted by PP, it was found that the following documents are missing;		
1. Technical specification of the WTGs 2. Power Purchase agreement for the project activity 3. O & M Agreement 4. Commissioning Certificates of WTGs 5. Undertaking in effect of no double counting of VCS emission reductions achieved will take place in other GHG Programs/Other forms credits for the concerned Monitoring period.		
PP is requested to the provide the above documents to assessment team.		
Project participant response		Date: 30/11/2020

The requested documents have been submitted now.	
Documentation provided by project participant	
Technical specification of the WTGs, Power Purchase agreement for the project activity, O & M Agreement, Commissioning Certificates of WTGs, Undertaking in effect of no double counting of VCS emission reductions achieved will take place in other GHG Programs/Other forms credits for the concerned Monitoring period.	
DOE assessment	Date: 04/12/2020
PP has now provided the following supporting documents: 1. Technical specification of the WTGs and found consistent with the specification mentioned in MR. Hence OK. 2. Copy of PPAs signed with Central Power Distribution Company of Andhra Pradesh Limited, Bangalore Electricity Supply Company Limited and Tamilnadu Generation and Distribution Corporation. Hence Ok. 3. Copy of O & M Agreement signed between Regent Powertech Private Limited and Gamesa Wind Turbines Private Limited 4. Commissioning Certificates of all WTGs 5. Undertaking in effect of no double counting of VCS emission reductions for the current monitoring period dated 05/10/2020. Hence Ok. 4. PP has updated the Section 1.10 of MR to include not participation in other GHG program during the current monitoring period. A declaration dated 02/12/2020 regarding the same has been submitted by the PP. Hence Ok. CAR 03 closed.	

Not Net Harm

CAR ID	04	Date: 06/11/2020
Description of CAR		
PP has mentioned in Section 2, under subsection 2.1 of MR that “As per VCS guidelines, the contract for validation is prior to the 19th April 2017, hence No Net Harm is not mandatory”. PP is requested to clarify how this comply the requirement of sub para 3.16.1 of VCS standard?		
Project participant response		Date: 30/11/2020
The section error is being regretted and section 2 of the MR has now been updated as per the guidelines.		
Documentation provided by project participant		

VCS MR V02	
DOE assessment	Date: 04/12/2020
Section 2.0 “No Net Harm” has been updated now in accordance with the para of sub para 3.16.1 of VCS standard. Thus, CAR 04 closed.	

Local stakeholder consultation

CAR ID	05	Date: 06/11/2020
Description of CAR		
PP has mentioned in Section 2, under subsection 2.1 of MR that “As per VCS guidelines, the contract for validation is prior to the 19th April 2017, hence the local stakeholder consultation is not mandatory”. PP is requested to clarify how this comply the requirement of sub para 3.16.3 of VCS standard?		
Project participant response		Date: 30/11/2020
The section error is being regretted and section 2 of the VCS MR has now been updated as per the requirement of sub para 3.16.3		
Documentation provided by project participant		
VCS MR V02		
DOE assessment		Date: 04/12/2020
PP has provided the supporting documents of ongoing stakeholder process. Subsection 2.1 has been updated now in accordance with the para 3.16.3 of VCS standard. PP has placed grievance/feedback register at the project site to get feedback on the project from stakeholders. The same was checked by the assessment team and confirms that there is no any grievance of stakeholders during the current monitoring period.		
CAR 05 closed		

Accuracy of GHG Emission Reduction and Removal Calculations

CAR ID	06	Date: 06/11/2020
Description of CAR		
During the document review it was observed that PP has not provided the copies of the JMRs/ Credit note/ JMR/Form B reports and Invoices to the assessment team for verification of net energy exported to grid for the complete monitoring period.		
Further, the emission reduction vales in MR is not consistent with the ER sheet.		
Corrective action is sought.		

Project participant response	Date: 30/11/2020
The copies of B reports and Invoices for current monitoring period has been attached in this submission. Also, the emission reduction values in the MR has been cross-checked with ER calculation sheet and is now consistent with each other.	
Documentation provided by project participant	
ER calculation sheet, VCS MR, B-reports & Invoices	
DOE assessment	Date: 04/12/2020
PP has provided the copies of JMRs and Invoices for the monitoring period. Assessment team has checked the same and confirms that the energy export and imports are consistent in MR and ER sheet. The values of export and imports have also been cross checked with the invoices, Thus, CAR 06 closed.	

Quality of Evidence to Determine GHG Emission Reductions and Removals

CAR ID	07	Date: 06/11/2020
Description of CAR		
The Calibration dates are provided in Appendix II of MR however the Calibration certificates are not submitted to the assessment team. Corrective action is sought for the same.		
Project participant response		Date: 30/11/2020
Calibration certificates are now being submitted.		
Documentation provided by project participant		
Calibration certificates.		
DOE assessment		Date: 04/11/2020
PP has provided the calibration certificates of meters and also added the meters details including cerebration dates of feeder meters in Appendix 1 of revised MR. Assessment team has checked the calibration dates with the calibration certificates and found consistent. CAR 07 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	DAS	SUKANTA	TQC-Outsourced entity	Yes	Yes	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)	EI	Xue	Denny	Applus+ Certification
2.	Approver	IR	Sendin	Juan	Applus+ Certification B.U. Managing Director

Short CVs of the Team:

1. **Mr. Sukanta DAS**, has done M. SC in (Electronics and Photonics) and M. Tech in (Energy technology) from Tezpur Central University/ Indian Institute of technology Bombay in India. He is a certified lead auditor for ISO 14001 EMS LA and ISO 9001 QMS LA from International registry for Certified Auditors (IRCA) and Certified Lean Management practitioner from Quality Council of India (QCI). He has more than Nine (9) years of working experience at TUV NoRD/ Re-consult/CRA/APPLUS certifications under various categories of projects stating from Renewable to

waste to supercritical projects. He was JI/ CDM Lead Assessor in TUV NoRD and was involved in more than 100 CDM validation and verifications activities in Gold Standard, VCS, CDM projects as a team leader/technical reviewer / validator / verifier covering the sectoral scope 1, 13 technical areas 1.2/1.1/13.1. Currently he is associated with True Quality Certifications Private Limited and is empanelled with APPLUS certification to carry out GHG audit

2. **Mr. Denny Xue** (Master Degree in Environmental Engineering, Bachelor Degree in Thermal Engineering) is an Auditor appointed by Applus+ LGAI for the GHG project assessment. He is based on Shanghai. He has 1.5 years of work experiences in CDM project development. Before he joined Applus+ LGAI, he has been worked for Shanghai Chuanji Investment and Management which is a CDM consultancy company as a project manager for CDM project development.

APPENDIX 4: ABBREVIATIONS

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

APPENDIX 5: CALIBRATION DETAILS OF THE METERS

Vagarai Tamil Nadu state 55.5 MW (37*1.5 MW WTGs)⁶

S. No.	HTSC No.	Old meter S. No.	Meter change date	New meter S. No.	Due date of calibration
1.	DRA 002	12092331	25/05/2017	4321945	24/05/2022
2.	DRA 010	14190323	23/05/2017	4322515	22/05/2022
3.	DRA 019	12091451	22/05/2017	4322252	21/05/2022
4.	DRA 037	12091997	20/05/2017	4322069	19/05/2022
5.	DRA 038	12092349	20/05/2017	4321884	19/05/2022
6.	DRA 039	12092267	05/05/2017	4322063	04/05/2022
7.	DRA 042	12092317	20/05/2017	4321949	19/05/2022
8.	DRA 050	12092323	20/05/2017	4322064	19/05/2022
9.	DRA 052	14190336	20/05/2017	4321888	19/05/2022
10.	DRA 055	14190278	22/05/2017	4322067	21/05/2022
11.	DRA 011	14190249	23/05/2017	4322519	22/05/2022
12.	DRA 014	14190299	23/05/2017	4322517	22/05/2022
13.	DRA 016	14190312	23/05/2017	4322521	22/05/2022
14.	DRA 020	14190301	23/05/2017	4322433	22/05/2022
15.	DRA 028	14190333	22/05/2017	4322566	21/05/2022
16.	DRA 029	14190313	22/05/2017	4322574	21/05/2022
17.	DRA 030	14190294	22/05/2017	4322374	21/05/2022

⁶PP is claiming VCS benefits for only 37 WTGs out of 67 WTGs. Rest 30 WTGs are availing Renewable Energy Certificate (REC) benefits. Meter calibration of the 37 WTGs claiming VCS benefits was done at the date of commissioning. Later on these meters were changed in the year 2017 (respective dates are mentioned in the table above). The calibration records of newly installed meters have been submitted to the DOE and the due date of calibration for the respective meters are mentioned in the above table

18.	DRA 034	14190337	23/05/2017	4321977	22/05/2022
19.	DRA 035	14190331	22/05/2017	4322581	21/05/2022
20.	DRA 036	14190316	22/05/ 2017	4322582	21/05/2022
21.	DRA 040	14190292	25/05/2017	4322160	24/05/2022
22.	DRA 041	14190257	25/05/2017	4321952	24/05/2022
23.	DRA 045	14190319	20/05/2017	4321943	19/05/2022
24.	DRA 051	14190325	20/05/2017	4322065	19/05/2022
25.	DRA 053	14190267	20/05/2017	4321944	19/05/2022
26.	DRA 065	14190268	22/05/2017	4322579	21/05/2022
27.	DRA 061	13197046	20/05/2017	4322154	19/05/2022
28.	DRA 056	14190263	25/05/2017	4321973	24/05/2022
29.	DRA 060	14190320	20/05/2017	4321948	19/05/2022
30.	DRA 058	14190273	23/05/2017	4322514	22/05/2022
31.	DRA 057	14190341	23/05/2017	4322513	22/05/2022
32.	DRA 059	14190315	20/05/2017	4322068	19/05/2022
33.	DRA 064	14190279	20/05/2017	4322066	19/05/2022
34.	DRA 067	14190276	22/05/2017	4322573	21/05/2022
35.	DRA 062	14190280	25/05/2017	4321892	24/05/2022
36.	DRA 063	14190338	20/05/2017	4322158	19/05/2022
37.	DRA 066	14190269	20/05/2017	4321947	19/05/2022

Note: Old meter numbers are of make L&T with accuracy 0.2s while the new meters are of make-Genus with accuracy class 0.2s.

Calibration details for Karnataka site WTGs 95.2 MW (112*0.85 MW WTGs)

Location	Meter Type	Meter Serial Number	Make	Accuracy Class	Calibration Date	Due date of Calibration
Feeder 1	Main Meter	13191120	L & T	0.2s	20/05/2017	19/05/2022

	Check Meter	13191121	L & T	0.2s	20/05/2017	19/05/2022
Feeder 2	Main Meter	13191094	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13191095	L & T	0.2s	20/05/2017	19/05/2022
Feeder 3	Main Meter	13191100	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13191104	L & T	0.2s	20/05/2017	19/05/2022
Feeder 4	Main Meter	13191096	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13191097	L & T	0.2s	20/05/2017	19/05/2022
Feeder 5	Main Meter	13191114	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13191122	L & T	0.2s	20/05/2017	19/05/2022
Feeder 6	Main Meter	13191159	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13191380	L & T	0.2s	20/05/2017	19/05/2022
Sub Station	Main Meter	13194679	L & T	0.2s	20/05/2017	19/05/2022
	Check Meter	13194671	L & T	0.2s	20/05/2017	19/05/2022

Calibration details for Andhra Pradesh site WTGs 37.4 MW (44*0.85 MW WTGs)

Meter Type	Meter Serial No.	Make	Accuracy Class	Calibration Date	Due Date
Main Meter	APX01701	Secure	0.2s	28/07/2017	27/07/2022
Check Meter	APX01702	Secure	0.2s	28/07/2017	27/07/2022
Standby Meter	APX01703	Secure	0.2s	28/07/2017	27/07/2022