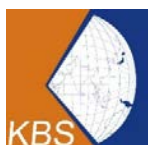




250 MW WIND POWER PROJECT BY MYTRAH ENERGY



By KBS Certification Services Pvt. Ltd.

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Summary:

KBS Certification Services Pvt. Ltd. has been contracted by, “EKI Energy Services Limited.” to undertake 2nd verification and certification for the greenhouse gas (GHG) emission reductions reported from ‘250 MW WIND POWER PROJECT BY MYTRAH ENERGY’ for the monitoring period 01-April-2020 to 31-May-2021 (Inclusive of both days), under the crediting period 30-January-2019 to 29-January-2029, in the initial monitoring report version 01 dated 18-May-2021, with regard to the relevant requirements of VCS Standard, Version 4.1.

The ‘250 MW WIND POWER PROJECT BY MYTRAH ENERGY’ involves operation of 105 Wind Turbine Generators (WTGs) with capacity of 2.4 MW each, located in Tamil Nadu state of India. The total installed capacity of the wind farm by PP is 252 MW out of which, PP has signed PPA for supply of 250 MW to the grid and remaining 2 MW is not considered for emission reduction calculation.

The Project activity is a greenfield project and the purpose of the project activity is to generate electricity by the utilization of wind velocity. All WTGs in the project has been operational since commissioning. Start date of the project activity is 30-January-2019, on this day 1st WTG of the project was commissioned as per the commissioning certificates/09/, VCS PD version 02 dated 20-December-2019/03/ and final joint validation and verification report version 01 dated 24-December-2019/03/.

The verification is based on the VCS PD, Monitoring report (MR), Emission reduction calculation spread sheet (ER sheet), proof of title, proof of right, additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and supporting documents made available to the verification team by project proponent.

The crediting period for VCS Project activity began on 30-January-2019 and will end on 29-January-2029. This is the 3rd monitoring period under first crediting period under VCS and covers the activity

from 01-April-2020 to 31-March-2021 (inclusive of both dates). The total emission reductions achieved for the project activity during the monitoring period has been 504,504 tCO_{2e}. 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 the verification of the project activity. In the course of verification, 01 Corrective Action Request (CAR) and 02 Clarification Requests (CLs) have been raised. All the CARs and CLs have been closed out successfully. No FAR has been raised during this verification or the previous verification.

It is our responsibility to express an independent GHG verification opinion on the GHG emissions and on the calculation of GHG emission reductions from the project for the period 01-April-2020 to 31-May-2021 (Inclusive of both days) based on the reported emission reductions in the final monitoring report version 03 dated 19-August-2021 for the same period.

Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, KBS planned and performed our work to obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

As a result of the verification, the verification team confirms that:

- The project fulfils criteria of VCS Standard Version 4.1.
- The project is in line with all relevant VCS requirements as per VCS Programme guide version 4.0 /05/
- Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board and VCS Association;
- All information and references relevant to the project activity resulting in emission reductions;

The monitoring is transparent, adequate and in line with applied baseline and monitoring methodology of ACM0002: Grid-connected electricity generation from renewable sources- version 19.0/10/.

Based on the information seen and evaluated we confirm that the implementation of the project has resulted in 504,504 tCO_{2e} (round down value) emission reductions during the monitoring period 01-April-2020 to 31-May-2021 (Inclusive of both days), under the crediting period 30-January-2019 to 29-January-2029.

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1 INTRODUCTION

1.1 Objective

KBS Certification Services Pvt. Ltd. has been contracted by, “EKI ENERGY SERVICES LIMITED” to undertake verification and certification for the greenhouse gas (GHG) emission reductions reported from ‘250 MW WIND POWER PROJECT BY MYTRAH ENERGY’ for the monitoring period 01-April-2020 to 31-May-2021 (Inclusive of both days), under the crediting period 30-January-2019 to 29-January-2029, in the initial monitoring report version 01 dated 18-May-2021 /1.1/, with regard to the relevant requirements of VCS Standard Version 4.1. The VCS projects must undergo an independent third-party verification and certification of emission reductions as the basis for issuance of Voluntary Emission Reductions (VERs).

The objectives of this verification exercise are, by review of objective evidence, to establish that:

- The project activity has been implemented and operated as per the project description (PD) and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- Monitoring report and other supporting documents are complete;
- The data is recorded and stored as per the monitoring methodology and approved monitoring plan.
- To confirm that the monitoring system is implemented and fully functional to generate Voluntary Emission Reductions (VERs/VCUs) without any double counting, and
- To establish that the data reported are accurate, complete, consistent, transparent and free of material error or omission by checking the monitoring records and the emissions reduction calculation.

1.2 Scope and Criteria

The verification scope is defined as an independent and objective review of monitoring report, CDM and VCS project description (VCS PD), including the monitored data, and other relevant documents made available to verifier and information collected through performing interviews during Remote assessment (interviews) of the project activity.

The project is assessed against the requirements of VCS standard version 4.1 and related rules and guidance/4//05/. KBS has employed, based on the recommendations in the latest version of Verified Carbon standard, a risk-based approach (as criteria) in the verification, focusing on the identification of significant reporting rules and the reliability of project monitoring.

The aspects to be covered under the purview of verification are:

- Ensure that the project activity has been implemented and operated as per the registered VCS PD and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place as per the documents provided by the client and during remote audit;
- Ensure that the monitoring report and other supporting documents provided are complete.
- Ensure that the practiced monitoring system and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved CDM methodology/10/.
- Evaluate the data recorded and stored are as per the monitoring methodology.

1.3 Level of Assurance

☒ Reasonable level of assurance

The verification is based on the VCS PD, MR, proof of title, proof of right, additional documents related to baseline and monitoring methodology, the subsequent background investigation, monitoring plan, follow-up interviews and supporting documents made available to the verification team by project proponent. The information in these documents is reviewed against the requirements of VCS Standard Version 4.1. KBS has focussed on the identification of significant risks for project implementation and the generation of Emission Reductions.

The items covered in the verification are described below:

- Criteria of VCS Version 4.1 (VCS Program guide Version 4.0 & VCS Standard Version 4.1)
- Criteria of CDM approved methodology, ACM0002- Version 19.0
- VCS Monitoring Report
- Monitoring Plan
- Background investigation and follow up interviews
- Stakeholder feedback
- Registered VCS PD and MRs and Joint Validation and previous Verification Reports
- Project's compliance with other relevant rules, including the project country (India) legislation and assurance to stakeholders of the quality

Furthermore, the verification team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data available on public domain. A desk review is carried out to assess the following:

- Compliance with relevant law and regulations

- Stakeholder comments (If any)
- Proof of title
- Single line diagram and site location map
- Technical specifications of turbines, meters etc.
- Power Purchase Agreement
- Commissioning Certificate
- Remote auditing (09/07/2021) for verification
- Invoices
- Export/Import data records
- Calibration Certificates

The verification team has checked all the above-mentioned details and confirms that all the information provided is accurate.

Through the remote interviews host country rule and regulations related to project activity, Project description, technological measures, Implementation, Operation, Management of project activity and Training of personnel, Baseline and Monitoring plan, Stakeholder consultation etc. has been checked and found appropriate.

KBS approach is aimed at focusing on high risk issues to the verification results whilst not omitting any part of the mandatory processes. A few discrepancies were found during the verification and the findings were submitted to the project proponent, indicated under the titles corrective action requests (CARs) and clarification requests (CLs). CARs and CLs require the PP to take relevant actions.

Hence the above steps were followed for achieving the level of assurance in verification report. Based on the process and procedures conducted, KBS confirms that the information in the MR:

- is materially correct and is a fair representation of the actual project details, and
- is prepared in accordance with VCS requirements/4//5/ and the applied CDM methodology/10/ for information pertaining to GHG qualification, monitoring and reporting.

The verification work is carried out as per this requirement and the verification opinion is assured, provided the credibility of all above. Details are presented in the Verification statement in section 5 below.

1.4 Summary Description of the Project

The main purpose of this project activity is to generate clean form of electricity through renewable wind energy sources. The project activity involves installation of a bundled 250 MW wind power project in Tamil Nadu state of India. It involves operation of 105¹ Wind Turbine Generators (WTGs) with capacity of 2.4 MW each, located in Tamil Nadu state of India.

The Project activity is a Greenfield project and the purpose of the project activity is to generate electricity by the utilization of wind velocity. All WTGs in the project has been operational since commissioning. Start date of the project activity is 30-January-2019, on this day 1st WTG of the project was commissioned.

The commissioning details of the project are mentioned in the table below:-

Name of Investor	Capacity in MW	COD	Connection with Grid	State	Usage
Mytrah Vayu (Sabarmati) Pvt. Ltd.	128.79 MW	30-January-2019	Indian Grid	Tamil Nadu	Sale to State Electricity Board (SEB)
	58.32 MW	16-April-2019			
	62.89 MW	11-May-2019			

During the remote audit inspection/11/, location (as mentioned in section 1.7 of MR) and all the technical aspects of the project activity (equipment, serial no., type, date of calibration etc.) mentioned in the VCS PD/03/ have been verified. The same was also crosschecked during the desk review of supporting documents like technical specifications/06/, single line diagram/07/, Power Purchase Agreement/08/ and commissioning certificates/09/.

Project entity information as verified is presented below:

Item	Data
Project Entities	Mytrah Energy (India) Limited (Project Owner)
	EKI Energy Services Limited (Project consultant)

¹ The installed capacity of the Project Activity with 105 WTGs comes out to be 252 MW however, PP has signed PPA of 250 MW with SEB and thus billing is carried out as per the limit specified in the PPA only as the generation is capped at 250 MW only. The excess power is not considered for emission reduction calculations and is not claimed by the PP.

2 VERIFICATION PROCESS

2.1 Method and Criteria

The verification process was carried out in line with the requirements of VCS version 4.1/04/. In addition, the verification team followed the guidelines of the CDM Validation and Verification Standard. Standard auditing techniques and KBS's CDM Procedures were also applied during the verification. A risk-based approach was followed to carry out verification and access all the factors and concerns that relate to the issuance of emission reductions from a project activity.

They include:

- Identification of all the sources contributing to the project emissions and emission reductions.
- Authenticity of the provided data is checked.
- A risk-based analysis is carried out to ensure a clear and transparent assessment. The risks involved in this process are mainly with the informational flows and data recording.

KBS follows a risk-based verification approach, wherein a desk review of the project documentation is undertaken, which is followed by a remote discussion/video inspection by the members of verification team. The verification protocol is filled by the verification team that is based on standard auditing practices and VCS requirements. The verification protocol provides transparent means to record the observations by the verification team members and the non-conformities, if any. The verification protocol is an internal document, and available on request.

Duration of Verification:

Remote audit	09-July-2021 (Justification section 2.4 below)
Draft Verification Report	26-August-2021
Final Verification Report	01-September-2021

2.2 Document Review

A desk review is undertaken, involving but not limited to,

- A review of the data and information presented to verify their completeness;
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;
- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

The list of documents reviewed is included in the section 'References'.

2.3 Interviews

Please refer section 2.4, where complete list of interviewed personnel and key points discussed is provided.

2.4 Site Inspections

As a result of the COVID-19 pandemic, taking into account the rules of relevant national and local authorities (local to the VVB offices as well as to locality of the site visits), World Health Organization (WHO) recommendations, policies of the VVB, email clarification for VERRA guidance on site visits, notification of Covid-19 Travel Guidance for Projects <https://verra.org/covid-19-travel-guidance/> and other relevant travel restrictions and guidance (for example, a requirement to self-isolate upon return from specific countries), the VVB has skipped the on-site visit. Further Email from VERRA dated 24-March-2020 from “Andrew Beauchamp” has been referred as per which *“The VCS Program does not explicitly mandate site visits as part of the validation and verification process, only that VVBs must achieve a reasonable level of assurance on all validations and verifications (per Section 4.1.2 of the VCS Standard, v4.1). Therefore, where a VVB can achieve a reasonable level of assurance without conducting a site visit, or through a remote site visit, this is in conformance with the VCS rules, and no request for an exemption or pre-approval from VERRA is required. However, where a validation/verification has been conducted without a site visit, or through a remote site visit, please ensure that the applicable section of the validation/verification report includes a discussion of how a reasonable level of assurance was achieved without an in-person site visit”*.

Hence, the VVB has used other standard auditing techniques for validation or verification as referred to in VCS Rules/requirements, VCS Validation and Verification Manual version 3.2.

Verification team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of verification. Along with desk review, audit team has conducted remote audit interview as follows:

- A complete desk review of the MR, as well as all applicable country legal requirement and supportive evidences have been checked by the verification team.
- Verification team has performed ZOOM Application interview with PP in order to check implementation, project boundary, current situation, monitoring and metering equipment, monitoring procedures, calibration etc.
- Cross-check evaluation, for information received from interviews, under the scope of all information and references provided in MR and supporting documents.
- A check of the monitoring equipment including performance and observations of monitoring practices against the requirements of the registered VCS and the selected methodology.

Details of interviewees, topics covered and additional information are presented below:

Dates:	09-July-2021 (ZOOM)	
Key points discussed:	Name of person, interviewed	Designation, Organization
VCS requirements,	Anjali Rao	Manager, Operations-

Operational data, Monitoring equipment, Calibration, Data collection, storage, Archiving QA/QC procedures Calculation of ERs		Climate Change EKI Energy Services Ltd.
	Iyyappan Muppudathi	Asset Manager, Mytrah Energy (India) Private Limited
O &M procedures, Training of monitoring personnel	Vishnu Kumar	O & M Manager, Mytrah Energy (India) Private Limited
Grievance procedure	Akash kumar, Suresh Thakur, Kerasiya Ashok	Local residents/ villagers

2.5 Resolution of Findings

KBS applies the risk-based approach aimed at focusing on high risk issues to the verification results whilst not omitting any part of the mandatory processes. A few discrepancies were found during the verification and the verification report was submitted to the project proponent, indicated under the titles corrective action requests (CARs) and clarification requests (CLs). CARs and CLs require the PP to take relevant actions. Criteria for judging items as CAR or CL are as follows:

Corrective action request (CAR):

- the project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions
- the Voluntary Carbon Standard's requirements have not been met, or
- there is a risk that emission reductions cannot be monitored or calculated.

Clarification request (CL):

- Information is insufficient or not sufficiently clear to determine whether the applicable VCS requirements have been met.

FAR (Forward Action Request):

FARs is to be raised to highlight issues related to project implementation that require review during the first verification of the project activity. FARs does not relate to VCS requirements for registration.

CARs and CLs are to be resolved or closed out if the PP modifies the project description, rectifies the MR or provides adequate additional explanations or evidence that satisfies the concerns. If this is not completed, the project activity cannot be recommended for issuance under VCS registry.

The monitoring report was revised addressing the CARs & CLs issued by KBS. After reviewing the revised and resubmitted MR/1.2/; resolving the CARs & CLs raised and outstanding concerns, KBS issues this final verification report and opinion.

01 CARs and 02 CLs were found during verification and closed satisfactorily. The list of CARs/CLs raised and the response provided, the means of verification, reasons for their closure and references to correction in the MR are provided in appendix II of this report. The

revised MR/1.2/ with changes incorporated as per the issues raised were rechecked with the documentary evidences and found to be inline.

2.5.1 Forward Action Requests

Joint Validation and Verification report/3/ of the previous monitoring period was checked, and it was confirmed that no FAR was raised previously. No FAR has been raised during current verification. Refer to Appendix II for further details.

2.6 Eligibility for Validation Activities

KBS conducted the verification activity for 2nd verification period; the validation and earlier verification were performed by the other VVB. KBS has a valid UNFCCC accreditation in the Sectoral scope from UNFCCC.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project activity is registered under the VCS only (VCS Project ID 2020)² and is neither de-registered nor seeking registration under any other emissions trading program or any other mechanism that includes GHG allowance trading. PP also confirms that net GHG emission reductions or removals generated during this monitoring period shall not be used for compliance under any such programs or mechanisms. This was confirmed through a declaration /16/ submitted by the PP and hence accepted by the assessment team.

3.2 Methodology Deviations

The verification team confirms that the registered VCS PD complies with the requirements in the applied monitoring methodology ACM0002 version 19.0/10/.

The following tools have been used for the project activity under consideration –

- Tool to calculate the emission factor for an electricity system³ - Version 07.0 (EB 100, Annex 04)
- Methodological Tool- Tool for the demonstration and assessment of additionality⁴ - Version 07.0.0 (EB 70, Annex 08)

Therefore, no methodology deviations are applied during the monitoring period.

² <https://registry.terra.org/app/projectDetail/VCS/2020>

³ <http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v7.0.pdf>

⁴ <http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf>

3.3 Project Description Deviations

PP has requested deviation regarding the change in feeder from the registered VCS PD. Till current monitoring period PP was using two feeders namely - Bay-222 and Bay-223 and 6 energy meters for the project activity energy supply to the grid. It was confirmed through registered Joint PD and MR that initially 6 energy meters 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 interview and Single Line Diagram of Tirunelveli GIS Substation by PGCIL for Mytrah Energy India Pvt Ltd.

The nature of deviation is permanent and, as this deviation has not impact on scale, methodology or additionality and onsite monitoring practices, assessment team accepted the same.

PP had applied for one more deviation which was requested and accepted during earlier verification/3/.

3.4 Grouped Project

The project is not a grouped project. Therefore, this section is not applicable.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

The project activity is in operation stage as evidenced by the remote inspection/11/ of the site. All the physical components and project boundary are in conformity with the description in registered VCS PD/03/. The project locations and project equipment capacities have been confirmed during the remote inspection, also through the technical specifications/06/ and found in-compliance with the registered VCS PD/03/. The 1st WTG of the project activity was commissioned on 30-January-2019 as per the commissioning certificate/09/. Verification team has checked the commissioning certificates and confirms that the commissioning dates for the WTGs are correct. The WTG geographical co-ordinates are provided below which were confirmed through google earth.

SL. No	Location Name	Latitude	Longitude
1	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 of the WTG used in the project are as follows;

WTG Rotor	
Maximum power output	2400 kW
Diameter	116 m
Number of blades	3
Swept area	10,568 m ²
Rated wing speed	11 m/s
Rotor speed range	7.67 to 15.68 rpm
Rotation direction	Clockwise looking downwind
Tip speed @ rated power	85.4 m/s

Orientation	Upwind
Speed regulation	Pitch control
Aerodynamic breaks	Full feathering

Based on the remote inspection and the reviewed project documentation like the technical specification, photographs of meters, Wind turbines/06/, single line diagram/07/, power purchase agreement/08/, commissioning certificates/09/, calibration certificates of energy meters/13/ and invoices/14/ etc. The verification team confirms that the project was implemented and operated as described in the registered VCS PD/03/. Further, the verification team confirms that-

- There is no material discrepancy between project implementation and the project description in the registered VCS PD.
- The monitoring plan is completely implemented and is suitable with actual monitoring system (i.e., process and schedule for obtaining, recording, compiling and analysing the monitored data and parameters)
- The project activity is availing GHG emission reductions for only one program and there will not be any double accounting for the same.
- There is no methodology deviation applied to this project.

The total generation capacity of the power plant with is 250 MW which was verified during the remote audit.

Further it was noticed that during the monitoring period the project activity operated under normal conditions and no significant event that may have impact on monitoring of GHG emission reductions was observed. Same has been checked from the operational data during remote auditing.

Ownership and other programs:

PP has declared/16/ that the project is registered in VCS, and will avail GHG emissions reductions for only one program and there will not be any double accounting for the same; thus emission reductions generated by project will be solely claimed by PP and PP has the right of use, which is acceptable. Net GHG emission reductions or removals generated by this project will not be used for compliance with an emissions trading program or to meet binding limits on GHG emissions as the host country i.e. India is not a participant in any emission trading programs or nor does it have any binding limits.

Sustainable Development Contributions:

As confirmed during the remote audit, the project displaces electricity produced in fossil fuel based power plants, by using clean renewable source to generate electricity and thereby contributes to sustainable development through reduction in greenhouse gas (GHG) emissions. It has also been confirmed that the project implementation has led in significant environmental and socio-economic benefits (as stated in section 1.11 of the submitted MR) and contributes to

the social, economic, technological and environmental well-being. The project supplies clean, affordable and renewable energy (538,540.73 MWh net electricity under the monitoring period) without reliance on fossil fuels for generation of electricity to meet the growing demands in the region. Also, the project implementation is providing employment to the locals with a decent and secure work environment by reducing emissions otherwise generated by the operation of fossil fuel based power plants and would lead to promotion of wind based power generation and to encourage other entrepreneurs to participate in similar projects as well.

Management and operational system:

Verification team was able to verify that authorities and responsibilities/15/ for monitoring and reporting of all data related to the emission reductions were clearly defined for the monitoring period from 01-April-2020 to 31-May-2021 (Inclusive of both days).

The allocation of the responsibilities is documented in a written form and is followed as described in the registered VCS PD/03/. Routines for the archiving of data are defined and documented.

The monitoring plan described in the section 4.3 of the MR/1.2/ is confirmed to be correct. All the parameters of the monitoring plan are monitored using appropriate metering system.

The verification team has interviewed the plant personnel/11/ who is involved in the monitoring of the parameters that are used to determine the emission reductions of the VCS project. It is confirmed based on the interviews that the plant team is competent enough to monitor the parameters as described in the monitoring plan.

As discussed above, the verification team concludes that management and operational system of the project is implemented and operated well. Thus, it ensures the quality of data which is required in calculating the emission reductions.

Implementation status of the monitoring plan:

Verification team confirms through remote inspection and through document review like PPAs/08/, Commissioning certificates/09/, calibration certificates/13/, Invoices/14/ that, the actual monitoring system complies with the monitoring plan mentioned in the registered VCS PD/3/ and there is no deviation in monitoring plan, procedures, and the equipments.

During the verification, all relevant monitoring parameters of the registered monitoring plan have been verified with regard to the appropriateness of the verification method; the correctness of the values applied for ER calculation, the accuracy and applied QA/QC measures. All monitoring parameters have been measured / determined without material misstatements and are in line with all applicable standards and relevant requirements. It is confirmed that the monitoring mechanism is effective and reliable.

Therefore, from the document review and remote inspection, it is confirmed that all the parameters were monitored in accordance with the registered monitoring plan during the monitoring period. Following are the details of monitoring in accordance with the monitoring plan of the registered VCS PD/03/:

Data -	EG _{PJ,y}
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Parameter	
Data unit	MWh
Description	Quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid during the monitoring period in MWh
Source of data	Deviation Settlement Account statement issued by SRPC
Description of measurement methods and procedures to be applied	Data Type: Measured Monitoring equipment: Energy Meters are used for monitoring. Recording Frequency: Continuous monitoring and Monthly recording from Energy Meters, Summarized Annually Archiving Policy: Paper & Electronic Class of meter: 0.2s The metering arrangement, accuracy class of meters, calibration frequency is under control of state electricity board (once in five years as per CEA notification⁵) and PP does not have any control on it. 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, any one transmission line is not in service then 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 check meter shall be used during the period the main metering system is not in service. Further in case of failure of both main meter and check meter, sum of the net electricity generation recorded by three individual special energy meters (SEMs) and individual auxiliary meters shall be used for accounting and billing purpose. This can be cross-checked from the monthly Invoices raised by the PP

⁵ https://cea.nic.in/old/reports/regulation/CEA_metering_regulation_amendment_2019.pdf

	which is the scheduled power being feed into the grid. The crosscheck mechanism can be referred from the actual ER sheet.												
Frequency of monitoring-recording	Continuous monitoring and monthly recording												
Value monitored	538,540.73												
Monitoring equipment	During the remote inspection and through document review, it has been confirmed that the data has been monitored continuously by electronic tri-vector meters with accuracy class 0.2s (for Deviation Settlement Account statement). 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, any of the transmission line is not in service then complete load will be shifted to other transmission line which is in operation. The meters are monitored on continuous basis and cumulative readings are taken on an agreed date once in a month through Deviation Settlement Account statement procedure. All the energy meters are under control of respective state utilities and sealed by them. The meters are in compliance with the host country calibration regulations and is confirmed that they have valid calibrations during the entire monitoring period. <table><thead><tr><th>Meter Sl. No.</th><th>Make</th><th>Class</th><th>Initial Meter calibration date</th><th>Due date for Calibration</th><th>Installed at location</th></tr></thead><tbody><tr><td>SA0013A,SA0014A, SA0016A</td><td>Secure</td><td>0.2 s</td><td>15-June-2016</td><td>14-June-2021</td><td>230/33 kV Maniyachi Pooling Sub-station.</td></tr></tbody></table>	Meter Sl. No.	Make	Class	Initial Meter calibration date	Due date for Calibration	Installed at location	SA0013A,SA0014A, SA0016A	Secure	0.2 s	15-June-2016	14-June-2021	230/33 kV Maniyachi Pooling Sub-station.
Meter Sl. No.	Make	Class	Initial Meter calibration date	Due date for Calibration	Installed at location								
SA0013A,SA0014A, SA0016A	Secure	0.2 s	15-June-2016	14-June-2021	230/33 kV Maniyachi Pooling Sub-station.								
QA-QC procedures to be applied	Energy meters will be calibrated once in a five year and faulty meters will be duly replaced immediately. This data may be cross checked with the invoices raised by the PP.												
Purpose of the	Calculation of Baseline emissions												

data	
Calculation method	N/A
Comments	The data would be archived electronically and maintained for the entire crediting period plus two years.

Finding: CL 01, CL 02 were raised and successfully closed. Refer to appendix 2 for further details.

Opinion:

The verification team confirms that

- The project activity has been implemented and operated as per the registered VCS PD/03/ and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place, as per the documents provided by the PP and remote audit /11/;
- The monitoring complies with the requirement of the applied methodology/10/;
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the PD/03/;
- The values included in the monitoring report/1.2/ and corresponding emission reduction sheets/2.2/ are verified and included under each monitoring parameter.

4.2 Safeguards

4.2.1 No Net Harm

The project activity is grid connected wind power plant and does not involve any negative impact. Verification team confirms it based on its local and Sectoral expertise.

4.2.2 Local Stakeholder Consultation

PP has placed a dedicated Visitor register cum grievance register at the project site which is accessible to stakeholders to provide their feedback on the project. It is appropriate publicly accessible location at which local stakeholders can provide their feedback on the project. This location is also conducive to continuous and regular checks for stakeholder comments. For the global stakeholders, the suggestion and the grievance can be submitted to mail@mytrah.com

During the current monitoring period, positive feedbacks had been received regarding site operation which has been verified during remote audit interview of local villagers. No any grievances received during the current monitoring period therefore, no any mitigation measures

were required. In case of grievances, the nature of probable resolution is discussed with the plant head office and implemented by the site in charge.

The stakeholder consultation process was validated during the registration of project activity in VCS. VCS Joint validation and verification report/3/ was verified to confirm the same. The documentary evidence for the visitor cum grievances register was checked by the assessment team and confirms that there is no any grievance of stakeholders during the current monitoring period.

4.3 AFOLU-Specific Safeguards

This is not an AFOLU project.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The verification team has reviewed the emission reduction (ER) spread sheet/2.2/ and checked all the formulae and verified them to be correct and in line with the monitoring plan of the registered VCS PD and the applied monitoring methodology/10/.

All the monitored parameters are described above in section 4.1. All the ex-ante parameters which are used in the calculation of emission reduction are presented in section 4.1 of the MR/1.2/ transparently. It is confirmed that all the ex-ante parameters have been correctly used in the emission reduction calculation.

Baseline emissions:

The baseline emissions (BE_y) are calculated based on the following formula:

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

Where:

BE_y = Baseline emissions in year y (tCO_2/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 CO_2 emission factor for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO_{2e}/MWh)

The baseline emission factor in year y (tCO_2/MWh), is fixed ex-ante for the duration of the crediting period, and is $0.9368 tCO_{2e}/MWh$.

Therefore,

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

$$BE_y = 538,540.73 \times 0.9368$$

$$BE_y = 504,504 \text{ tCO}_2\text{e (round down value)}$$

It is noted that the formula and calculation used for baseline emission calculation in the monitoring report/1.2/ and ER sheet/2.2/ is in compliance with the registered VCS PD/3/. The default values and data used in the monitoring report is in-line with the registered VCS PD. Hence, it is acceptable to the verification team.

Project Emissions:

As per the applied methodology, the PE_y in case of a wind power project is considered zero. Hence, $PE_y = 0$ is acceptable to the verification team.

Leakage:

As per the applied methodology and as defined in the registered VCS PD, no leakage is considered in the project activity and the same is followed in this monitoring period also. Thus, it is in compliance with the VCS PD.

The following are the ex-ante parameters used in the ER calculation which are in compliance with registered VCS PD:

Parameter	Description	Source/Justification
$EF_{grid,OM,y}$ tCO ₂ /MWh	Operating margin CO ₂ emission factor in year y	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07” as 3-year generation weighted average using data for the years 2015-2016, 2016-2017 & 2017-2018. The data are obtained from “CO ₂ Baseline Database for Indian Power Sector” version 14, published by the Central Electricity Authority, Ministry of Power, Government of India. The value 0.9610 is used for the calculation of the Baseline Emission and is found to be consistent with the registered VCS PD/03/.
$EF_{grid,BM,y}$ tCO ₂ /MWh	Build margin CO ₂ emission factor in year y	Calculated as per “Tool to calculate the emission factor for an electricity system, version 07” as per the latest data available for the most recent year 2018. The data is obtained from “CO ₂ Baseline Database for Indian Power Sector” version 14, published by the Central Electricity Authority, Ministry of Power, Government of India. The value 0.8644 is used for the calculation of the Baseline Emission and is found to be consistent with the registered VCS PD/03/.
$EF_{grid,CM,y}$	Combined margin CO ₂	Combined margin emission factor has been calculated by

tCO ₂ /MWh	emission factor in year y	the Central Electricity Authority in accordance with CDM methodology: ACM0002 and tool to calculate the emission factor for an electricity system. The combined margin emissions factor is calculated as follows: $EF_{grid,CM,y} = EF_{grid,OM,y} * W_{OM} + EF_{grid,BM,y} * W_{BM}$ Where: $EF_{grid,BM,y}$ = Build margin CO₂ emission factor in year y (tCO₂/MWh) $EF_{grid,OM,y}$ = Operating margin CO₂ emission factor in year y (tCO₂/MWh) W_{OM} = Weighting of operating margin emissions factor (%) = 75% W_{BM} = Weighting of build margin emissions factor (%) = 25% The value 0.9368 is used for the calculation of the Baseline Emission and is found to be consistent with the registered VCS PD/03/.
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The ex-ante estimated emission reductions to be achieved from the project activity for the current monitoring period were 590,996 tCO₂e, whereas actual emission reductions achieved are 504,504 tCO₂e, which is approximately 14.63% lower than the estimated emission reductions. Assessment team has confirmed that this is due to low PLF achieved during the current monitoring period as compared to the PLF in the registered VCS PD.

According to the applied methodology, the conservativeness of the achieved emission reduction was checked and the detailed emission reduction calculation has been transparently provided in the ER sheet. All the formulae and the calculation procedure were checked by the verification team. In the opinion of verification team, the assumptions, emission factors and default values that were applied in the calculations have been justified. Also, the verification team confirms that there were no manual transposition errors between the data sets in the ER sheet during the current monitoring period. It is confirmed that the data has been measured directly from meters and it was cross checked from the Deviation Settlement Account statements and the invoices raised to state electricity utilities and was able to verify the same.

Opinion: The verification team confirms;

- The monitoring plan has been implemented as per the registered VCS PD /03/;
- The monitoring complies with the requirement of the applied methodology/10/;
- The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included above under each parameter and confirms to the requirement of the PD;

- The values included in the monitoring report/1.2/ and corresponding emission reduction sheet/2.2/ are verified and included under each monitoring parameter, wherever appropriate.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

All relevant documents were checked to assess the correctness and quality of data submitted by the project participants, which are used to determine emission reductions.

All records needed for monitoring are archived in line with the requirements of the registered monitoring plan/03/. No significant lack of evidence and missing data were detected during remote audit discussion and video inspection/11/. Hence, the verification team confirms that the monitoring system ensures required quality of the monitoring system to ensure the quality of the monitored data. All internal data are subjected to QA/QC measures. The monitoring parameters have been measured / determined without material mis-statements and is in line with all applicable standards and relevant requirements. The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included in section 4.1 under each parameter and confirms to the requirement of the registered VCS PD/03/. The export and import data is measured by the electricity meters, recorded continuously and the invoices are generated monthly/14/. The data is then reported annually through VCS Monitoring Report as verified by the verification team through remote assessment.

It was also verified through remote audit inspection that the plant's team involved in the monitoring of project activity is well experienced. Hence, the verification team concludes that competent staff is employed by the project proponent to carry out the relevant tasks with sufficient accuracy. Furthermore, it was confirmed during remote audit discussion that internal training program for the monitoring staff is conducted on regular basis.

4.6 Non-Permanence Risk Analysis

Not applicable to the project activity.

5 VERIFICATION CONCLUSION

KBS Certification Services Pvt. Ltd. has been commissioned by 'EKI ENERGY SERVICES LIMITED' to perform verification of its registered VCS project '250 MW WIND POWER PROJECT BY MYTRAH ENERGY', for the monitoring period 01-April-2020 to 31-May-2021 (Inclusive of both days), under the crediting period 30-January-2019 to 29-January-2029, with regard to the relevant requirements of VCS Standard Version 4.1.

The management of the 'EKI ENERGY SERVICES 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 final Monitoring Report Version 03 and dated 19-August-2021. The calculation and

determination of GHG emission reductions from the project is the responsibility of the management of the 'EKI ENERGY SERVICES LIMITED'. The development and maintenance of records and reporting procedures are in accordance with the Monitoring Report Version 03 and dated 19-August-2021.

It is our responsibility to express an independent GHG verification opinion on the GHG emissions and on the calculation of GHG emission reductions from the project for the period 01-April-2020 to 31-May-2021 (Inclusive of both days) based on the reported emission reductions in the final Monitoring Report Version 03 and dated 19-August-2021 for the same period.

As a result of the verification, the verification team confirms that:

- All operations of the project are implemented and installed as planned and described in the project description.
- The monitoring system is in place and functional.
- The installed equipment essential for generating emission reductions runs reliably.
- The GHG emission reductions are calculated without material misstatements in a conservative and appropriate manner.

Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, KBS planned and performed our work to obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

Verification period: From 01-April-2020 to 31-May-2021 (Inclusive of both days)

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

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
01-April-2020 to 31-December-2020	386,266	0	0	386,266
1-January-2020 to 31-May-2021	118,238	0	0	118,238
Total	504,504	0	0	504,504

Location: Faridabad

Date: 01-September-2021

A handwritten signature in black ink, appearing to read 'Kaushal', is written over a light gray horizontal line.

Authorized Signatory: Kaushal Goyal

Designation: Managing Director

KBS Certification Services Pvt. Ltd.

APPENDIX I: REFERENCES

/1/	/1.1/ Monitoring Report, version 01 dated 18-May-2021 (Initial Version) /1.2/ Monitoring Report, version 03 dated 19-August-2021 (Final Version)
/2/	/2.1/ Emission Reduction calculation sheet, version 01 dated 18-May-2021 (corresponding to initial Version of VCS MR) /2.2/ Emissions Reduction calculation Sheet, 03 dated 19-August-2021 (corresponding to final Version of VCS MR)
/3/	- Registered VCS PD and MR version 02 dated 20-December-2019 - Joint Validation and Verification report version 01 dated 24-December-2019
/4/	VCS Standard Version 4.1
/5/	VCS Programme guide Version 4.0 VCS_Validation_Verification_Manual_v3.2
/6/	Technical specifications/photographs of turbines, electricity meters etc.
/7/	Single line diagram and meter locations / Layout
/8/	Power purchase agreement for the WTGs
/9/	Commissioning Certificates for the WTGs
/10/	ACM0002: Grid-connected electricity generation from renewable sources - version 19.0
/11/	Remote auditing (09 -July-2021) for verification of measuring and monitoring procedure, - Video recordings & snapshots of the project site/equipment's - Interviews and data/log review
/12/	Deviation Settlement Account Statement for the entire monitoring period 01-April-2020 to 31-May-2021
/13/	Calibration Certificates for main meters and check meters
/14/	Invoices raised during the monitoring period 01-April-2020 to 31-May-2021
/15/	Organization structure/chart
/16/	Supportive for avoidance of double counting dated 05-June-2021

APPENDIX II: FINDINGS

Summary of findings	CAR	CL	FAR
	01	02	00

Table 1 Remaining FAR from validation and/or previous verifications

Date	Type & Number	Raised by	Reference
XX/XX/2021	FAR		NA
Non-conformities raised			
No pending/open FAR identified from validation/previous verifications.			
Project Participant 's response		Date:	
Documentation Provided as Evidence by Project Participant			
Information Verified by Team Leader		Date of review:	
NA			
Reasoning for not acceptance or close-out			
NA			
Date of acceptance or non-acceptance	Date:		Status: Closed

Table 2 CAR from this verification

Date	Type & Number	Raised by	Reference
20/07/2021	CAR 01	Assessment team	NA
Non conformities raised			
In the section 1.7 of MR, PP provided geo-coordinates for 105 numbers of WTGs, however as the individual WTG capacity is 2.4 MW. The total capacity calculated to be 252 MW. The same is found inconsistent with project title, description, stakeholder consultation photographs and commissioning certificate.			

Project Participant 's response	Date: 19/08/2021
Since registration of project activity, 105 WTGs are installed as a part of project activity. There is no change in project activity since commissioning. Thus total installed capacity is 252 MW. However due to PPA cap of 250 MW, the generation are capped upto 250 MW and also project title is mentioned as 250 MW. The ER estimation is also made based 250 MW generation capacity. For credit calculations, actual electricity exported to grid is considered and actual electricity is capped for 250 MW capacity as per PPA. Thus there is no any excessive capacity considered for carbon credit claim. Also actual credits are less than estimated ER, thus there is no any excessive capacity accounted for ER calculations.	
Documentation Provided as Evidence by Project Participant	
Power purchase agreements, ER calculation sheet.	
Information Verified by Team Leader	Date of review: 30/08/2021
PPA, ER Calculation sheet	
Reasoning for not acceptance or close out	
The provided clarification regarding project capacity of 250 MW is cross verified with PPA and ER calculation sheet and acceptable as conservative approach. Thus, CAR 01 is closed.	
Date of acceptance or non- acceptance	Date: 30/08/2021
Status: CLOSED	

Table 3 CL from this verification

Date	Type & Number	Raised by	Reference
20/07/2021	CL 01	Assessment team	NA
Non conformities raised			
1.The supportive documents for the information mentioned in the MR is awaited. a) Commissioning certificate for the WTGs. b) Energy meter calibration covering the entire monitoring period for WTGs and connected substation meters. c) Energy sales records/invoices for the entire monitoring period d) Power Purchase Agreement for the project. e) All energy meter photographs (legible to ensure energy meter details) f) Training records of the monitoring team and QA/QC supportive documents, if any.			
Project Participant 's response	Date: 21/07/2021		

a) Commissioning certificates are now being provided in this submission. b) Calibration reports of all energy meters for this project activity pertaining to entire monitoring period are now being submitted. c) Invoices for entire monitoring period are being attached in this submission. d) Power purchase agreements are being submitted. e) Energy meter photographs are being attached in this submission. f) This is a 3 rd periodic verification for the project. Sample training records for September 2020 is now submitted with this submission.		
Documentation Provided as Evidence by Project Participant		
Commissioning certificates, calibration reports, Invoices, Power purchase agreements & energy meter photographs, Training records		
Information Verified by Team Leader	Date of review: 27/07/2021	
a) Commissioning certificates, b) calibration reports, c) Invoices, d) Power purchase agreements & e) energy meter photographs, f) Training records Revised MR version 02		
Reasoning for not acceptance or close out		
a) The provided commissioning certificate dated 16/10/2019 provided by SECI, Govt. of India has been checked and found that the commissioning dates mentioned in the MR is consistent. Thus, this part of CL is closed. b) The PP has provided initial energy meter test reports in June 2016 by energy meter manufacturer i.e. SECURE for energy meter purchased by Power Grid Corporation of India Limited. In the registered VCS PD, PP has defined meter calibration frequency as once in 5 years. Thus, the provided initial test report is valid till May 2021. Thus, the all energy meters during the current monitoring period are considered to be calibrated. Thus, this part of CL is closed. c) The invoices raised by PP to PTC India Ltd for the entire monitoring period has been checked and found that consistent with corresponding Actual Regional Energy Account statement. Thus, this part of CL is closed. d) The power purchase agreement signed in July 2017 for each state in the entire project activity has been checked and found appropriate. Thus, this part of CL is closed. e) PP has provided energy meters photographs for only 03 energy meters i.e. SA0013A, SA0014A, SA0016A. However as per Appendix 1 of MR there are total 06 energy meters at substation for project activity. Thus, this part of CL is open. f) Training of O & M personnel and monitoring team is continuous process and part of monitoring plan mentioned in the registered VCS PD. The training records for the current monitoring period is awaited. Thus, this part of CL is open.		
Date of acceptance or non- acceptance	Date: 27/07/2021	Status: Open
Project Participant 's response	Date: 19/08/2021	
- PP has transferred meters connected with Bay-223 (connected with meters SA0015A, SA0012A, SA0011A) to M/s Orange Power and using Bay-222 (connected with meters SA0013A, SA0014A, SA0016A) for monitoring purpose of this project activity. Deviation regarding the same has been sought during the current monitoring period in this submission. - Training records for the current monitoring period are now being submitted.		
Documentation Provided as Evidence by Project Participant		

VCS MR V03.0, training records		
Information Verified by Team Leader		Date of review: 30/08/2021
Single Line Diagram of Tirunelveli GIS Substation by PGCIL for Mytrah Energy India Pvt Ltd, O & M personnel training records, Revised MR version 03.		
Reasoning for not acceptance or close out		
e) PP has now provided SLD for Tirunelveli GIS substation which has been checked and found that the provided clarification for all WTGs in the project activity were connected to Bay 222 (connected with meters SA0013A, SA0014A, SA0016A). Further, the calibration certificate for the same already provided and now PP has made the corrections in the Appendix 1 of the revised MR. Thus, this part of CL is closed.		
f) The training record of O & M personnel for the current monitoring period has been now provided and same has been checked and found appropriate. Thus, this part of CL is closed.		
Date of acceptance or non- acceptance	Date: 30/08/2021	Status: CLOSED

Date	Type & Number	Raised by	Reference
20/07/2021	CL 02	Assessment team	NA
Non conformities raised			
1. The electricity generation value mentioned in the ER calculation sheet for the month of April 2021 and May 2021 are inconsistent with provided corresponding deviation settlement Account statement issued by SRPC. 2. The electricity generation and claimed emission reductions during the current monitoring period are incorrect throughout the MR due to inconsistency in reporting values for May 2021.			
Project Participant ‘s response		Date: 21/07/2021	
1. The electricity generation values mentioned in ER sheet for April-2021 & May-2021 are being rectified and now consistent with corresponding deviation settlement Account statement issued by SRPC. 2. Correction regarding the incorrect electricity generation & emission reductions are now being revised and is made consistent throughout the MR in this submission.			
Documentation Provided as Evidence by Project Participant			
Emission reduction calculation sheet & VCS MR v02.			
Information Verified by Team Leader		Date of review: 27/07/2021	
Revised MR version 02, Revised Emission reduction calculation sheet			

Reasoning for not acceptance or close out		
1. The revised ER calculation sheet and revised MR version 02 has been checked and found that now the electricity generation values for the month of April 2021 are consistent with deviation settlement Account statement issued by SRPC. However, the electricity generation value for the month of May 2021 are still inconsistent with deviation settlement Account statement issued by SRPC. Thus, this part of CL is open. 2. The electricity generation and claimed emission reductions during the current monitoring period has been revised, however the same needs to be corrected for consistency as per above part of this CL. Thus, this part of CL is open.		
Date of acceptance or non- acceptance	Date: 27/07/2021	Status: Open
Project Participant 's response	Date: 19/08/2021	
1.Electricity generation value for May-2021 are now being rectified in this submission. 2.Consistency has now been maintained in VCS MR as well as emission reduction calculation sheet.		
Documentation Provided as Evidence by Project Participant		
VCS MR V03, ER calculation sheet.		
Information Verified by Team Leader	Date of review: 30/08/2021	
Revised VCS MR V03, Revised ER calculation sheet.		
Reasoning for not acceptance or close out		
1. The revised MR and ER calculation sheet has been checked and now found that the electricity generation value for the month of May 21 is consistent with corresponding deviation settlement Account statement issued by SRPC. Thus, this part of CL is closed. 2. The electricity generation and resultant emission reductions both in the revised MR and ER sheet are now consistent. Thus, this part of CL is closed.		
Date of acceptance or non- acceptance	Date: 30/08/2021	Status: CLOSED

Table 4 FAR from this verification

No FAR raised during current verification.

Date	Type & Number	Raised by	Reference
DD/MM/YYYY	FAR		NA
Non-conformities raised			
No FAR identified during the current verifications.			
Project Participant 's response		Date: DD/MM/YYYY	
Documentation Provided as Evidence by Project Participant			

Information Verified by Team Leader	Date of review:	
NA		
Reasoning for not acceptance or close out		
NA		
Date of acceptance or non acceptance	Date:	Status: Closed

APPENDIX III: COMPETENCE OF TEAM MEMBERS

Personnel Name:		Tushar Chaudhari	
Qualified to work as:			
Team Leader	☒	Technical Expert	☒
Validator/Verifier	☒	Financial Expert	☒
Technical Reviewer	☒	Local Expert (India)	☒
Area(s) of Technical Expertise			
Sectoral Scope	Technical Area		
Energy Industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar		
Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources		
Energy demand	TA 3.1. Energy Demand		
Waste Handling and Disposal	TA 13.1 Waste Handling and Disposal		
Approved by	Manager Competency & Training		
Approval date:	02/09/2020		

Personnel Name:		Sanjay Kandari	
Qualified to work as:			
Team Leader	☒	Technical Expert	☒
Validator/Verifier	☒	Financial Expert	☒
Technical Reviewer	☒	Local Expert (India)	☒
Area(s) of Technical Expertise			

Sectoral Scope	Technical Area
Energy Industries (renewable/non-renewable sources)	TA 1.1: Thermal energy generation from fossil fuels and biomass including thermal electricity from solar
Energy industries (renewable/non-renewable sources)	TA 1.2: Energy generation from renewable energy sources
Energy demand	TA 3.1. Energy Demand
Waste Handling and Disposal	TA 13.1 Waste Handling and Disposal TA 13.2 Manure
Approved by (Manager C & T)	Akhilesh Joshi
Approval date:	11/12/2015