



“BUNDLED WIND POWER PROJECT IN MADHYA PRADESH, GUJARAT AND KERALA BY D.J. MALPANI”



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Summary:

LGAI Technological Center, S.A.(Applus+ Certification) has performed the verification of the project “Bundled Wind Power Project in Madhya Pradesh, Gujarat and Kerala by D.J. Malpani.” VCS ID 1679, against VCS Standard Version 4.1. The scope of verification includes confirming the implementation of the monitoring plan of the registered VCS PD (version 03) dated 19/02/2018 and the application of the monitoring methodology “Grid-connected electricity generation from renewable sources”, ACM0002, Version 17.

The verification is consisted of three phases: i) desk review of the project; ii) remote visit and interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion. The overall verification, from Contract Review to Verification Report & Opinion, was conducted following Applus+ certification internal quality procedures.

During the verification process 05 CARs, 01 CL and 00 FARs were raised. All the findings have been closed satisfactorily and the same has been discussed in Appendix 4.

Applus+ certification confirms that the monitoring system is in place and the emission reductions are calculated without material misstatements. The emission reductions from the project activity “Bundled Wind Power Project in Madhya Pradesh, Gujarat and Kerala by D.J. Malpani” in India during the period 01-January-2021 to 30-June-2021 (including both days) amount to 44,257 tonnes of CO₂e.

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1 INTRODUCTION

1.1 Objective

M/s DJ Malpanihas contracted LGAI Technological Center, S.A. (Applus+ Certification) to perform the periodic verification of the 'Bundled Wind Power Project in Madhya Pradesh, Gujarat and Kerala by D.J. Malpani' in India (hereafter called project). This project has already been registered as a VCS project (VCS ID 1679). The objective of this verification is a thorough and independent assessment of registered project activities against the applicable VCS requirement by the DOE. The verification process shall determine whether the proposed project activity complies with the requirements of latest VCS guidelines, applicability conditions of the selected methodology, relevant host country regulations and guidance issued by the VCS Board.

1.2 Scope and Criteria

The scope of verification is to assess the claims and assumptions made in the VCS monitoring report (MR) against the VCS criteria, including but not limited to, VCS standard, applied methodology and other relevant rules and requirements established for VCS project activities.

The verification of this project was based on the registered project description & monitoring report /4/ and supporting documents submitted by the project proponent to the verification team. The documents were reviewed against the following guidance and protocols:

VCS standard Version 4.1, Issued: 19-September-2019; Updated: 22-April-2021 /16/

Approved baseline and monitoring methodology ACM0002 ver. 12.1.0 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"/14/

VCS Program Guide, Version 4.0, dated 19-September-2019 /17/

CDM VVS for project activities version 02.0 /22/

CDM PS for project activities version 02.0 /21/

The Verification is not meant to provide any consulting towards the project participants. However, stated requests for clarification and/or correction actions request may have provided inputs for improvement of the project design.

1.3 Level of Assurance

The verification team verified the complete monitoring data for all the parameters of the monitoring plan and confirms that the reported emission reductions are free from any type of material errors. Therefore, Applus+ certification confirms that the verification is conducted with reasonable level of assurance.

1.4 Summary Description of the Project

The project activity involves electricity generation by wind electric convertors and supplying the generated electricity to the state Grid. The project being a renewable energy generation activity, it leads to removal of fossil fuel dominated electricity generation. The project activity results in reductions of greenhouse gas (GHG) emissions that are real, measurable, and verifiable and also plays beneficial role in the mitigation of climate change.

During the time of registration the total installed capacity of the project was 60 MW. (8 units of ReGen Powertech make 1.5 MW WTG & 24 units of Inox make 2 MW WTG). The bundled project consist 5 wind projects and the details of the projects are given below. The details of the project are given below:

Project developer	Installed capacity(MW)	Project Location	State
M/s DJ Malpani	4.5 MW	Dhar Site, Dhar	Madhya Pradesh
	7.5 MW	Ghatiya Site, Ujjain	Madhya Pradesh
	6 MW	Sadla Site, Surendranagar	Gujarat
	26 MW	Savar kundala Site, Amreli	Gujarat
	16 MW	KinfraSite, Palakkad	Kerala
Total	60 MW		

It also noted that the capacity of the project as per registered PDD is 66 MW. But now the capacity of the project has been downsized to 60 MW due to the below reason,

- The earlier, 22 MW capacity wind project by D. J. Malpani at Kinfara site, Kerala has been downsized to capacity of 16 MW

As per MR, the electricity generated from the project is sold to respective state DISCOM which is confirmed form approved VCS PD/4/, last verification report and interview with PP. The WTGs

are commissioned between 28-03-2016 and 31-03-2017 and the COD details are provided in section 4.1 below. The commissioning dates of the WTGs are verified against the approved VCS PD/4/ and commissioning certificates/7/.

This information was verified during remote assessment and found to be in line with the details provided in the registered PD /01/.The emission reductions from the project activity during the period 01-January-2021 to 30-June-2021 (including both days) amount to 44,252 tonnes of CO₂e.

2 VERIFICATION PROCESS

The registered VCS project is undergoing periodic verification under VCS, the approach adopted to ensure the quality of emission reductions is described in the following sections.

2.1 Method and Criteria

Verification was conducted using Applus+ Certification procedures in line with the requirements CDM validation and verification standard for project activities, Version 02.0 for the project activity and “VCS standard version 4.1 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. The project activity does not fall under category “grouped projects”, hence any sampling methods not to be employed by the validation/verification body for the verification of GHG emission reductions or removals generated by the project.

Applus+ certification assessed and determined whether the proposed implementation and operation of the project activity, and the steps taken to report emission reductions comply with the criteria and relevant guidance provided by the VCS Board. The validation/verification process consist of the following three phases;

- A desk review of the VCS PD and VCS MR
- Remote visit and follow up interviews with project stakeholders
- The resolution of outstanding issues and issuance of final report and opinion

2.2 Document Review

The verification is performed primarily as a document review of the approved revised VCS PD, previous MR and Verification report and associated documents as stated in detail in appendix 1 of this document. The assessment is performed by a verification team using a protocol. The cross checks between information provided in the Monitoring report, VCS PD and information from sources other than those used, if available, the team’s sectoral or local expertise and, if necessary, independent background investigations.

2.3 Interviews

Due to the current situation with the global COVID-19 pandemic scenario and country wide lock down in most of countries across the globe, an on-site inspection has not been performed by the assessment team. However, the representatives of the PPs and onsite staff of PP were interviewed online via Skype/WhatsApp on 31-August-2021 i.e. personnel responsible for monitoring of the project activity, data collection and management, and QA/QC procedure. The details of the people interviewed are mentioned in the table below:

S N	Name	Organization
1	Mr. Kailash Bankar	DGM, PP Representative//DJ Malpani
2	Mr. Sagar Durgavale	Sr. Manager //DJ Malpani
3	Md. Moonis	Advisor/Consultant// EKI Energy Services Ltd.
4.	Mr. Barun Sharma	Advisor/Consultant// EKI Energy Services Ltd.
5.	Mr. Karunaraja	Site engineer //DJ Malpani

The topics covered during interview ranges from general features and implementation of project to technical details of the project like calibration details, monitoring and measuring system and data collection, recording and archiving procedures. The assessment was drawn based on the feedback received during interview coupled with the documentation and remote observations.

2.4 Site Inspections

As discussed in the above section, physical site inspection is not done for the current verification. However, to achieve a reasonable level of assurance, the assessment team has followed the alternative means to substantiate the verification criteria as described in the below table –

Assessment Criteria	Means of verification/source documents	Assessment opinion
Description of project activity	i. Commissioning certificates /9/ ii. PPA signed with SEB/10/ iii. Latest VCS verification report /2.1/. iv. Interview with PP representatives on 31-August-2021	The information's with reference to project capacity, technology, plant equipment's and commissioning dates as provided in section 1.1 of MR are found consistent with the documents.
Compliance of the project implementation with the registered project design document	i. Monthly JMRs signed by SEB and JSWHEL/8/ ii. Geographical co-ordinates (Location of Project	Verified documents indicated the following information: • Serial number of energy meters (Main and Check)

Assessment Criteria	Means of verification/source documents	Assessment opinion
	activity) verified through Google Map¹ as well as sharing of live location from PP representative onsite. iii. Latest VCS verification report /2.1/. iv. PPA signed with SEB /10/ v. Interview with PP representatives on 31-August-2021 vi. Latest photographs of major project equipment's installed at site (i.e. Turbine, generators, energy meters, weir intake, penstock, tailrace etc.)/18/	- Capacity of project - Name of project participant (Ownership of the project activity) Location of power house is verified through Google Map. Daily generation records are verified on sample basis to check the operational status of project activity. Grid connectivity of the project is confirmed through the PPA. All the information's regarding the project implementation as discuss above are further verified through previous VCS verification report/2.1/ and found consistent.
Compliance of the registered monitoring plan with applied methodologies and standardized baselines	i. Interview with PP representatives on 31-August-2021 ii. PPA signed with SEB /10/ iii. Monthly JMRs signed by SEB and JSWHEL/8/ iv. Invoices raised by project developer to SEB/7/ v. Photograph of all the WTGs, energy meters installed at site and screen shots of online monitoring system/18/	The organizational structure, responsibilities and competencies of the personnel confirmed through interview with PP representatives. Frequency of monitoring of parameters listed under approved monitoring plan is verified through JMRs /Invoices. The methods used for measuring, recording, storing, aggregating, and reporting the data on monitored parameters are verified though PPA and interactions with site personnel.

¹<https://www.gps-coordinates.net/>

Assessment Criteria	Means of verification/source documents	Assessment opinion
		Procedure for data uncertainty, emergency preparedness, roles and responsibility, operational and management structure are mentioned in the MR is confirmed through interview with PP representatives and found satisfactory.
Compliance with the calibration frequency requirements for measuring instruments	i. Calibration certificates of energy meters/6/ ii. Monthly JMRs signed by SEB and JSWHEL/8/ iii. PPA signed with UETCL/10/	Calibration frequency and energy meter specifications (Sr.No., make, accuracy class) is verified through calibration certificates, photographs of energy meters and further verified through monthly JMRs and found consistent. Responsibility of calibration and maintenance of energy meters is solely under control of SEB; this is verified through the PPA.
Assessment of data and calculation of emission reductions or net removals	i. Monthly JMRs signed by SEB and JSWHEL/8/ ii. Invoices raised by project developer to SEB/7/ iii. Latest VCS verification report for last verification/2.1/	Monthly values of monitoring parameters used in ER calculation are verified through JMRs and cross verified with the invoices. Methods, formulae and emission factor for calculating baseline emissions have been followed are in accordance with the applied methodology /14/ and as described in the previous approved VCS verification report/2.1/.

It is noteworthy that no sampling plan for verification is applied as 100% data is verified for the current monitoring period. Most of the reference document referred by the assessment team (above table) are either issued /endorsed by grid utility (SEB) Power Grid Corporation of India Ltd., a government agency, hence is deemed authentic.

The assessment team has also used documents such as validation report/2.2/ and verification reports/2.1/ available publicly. Furthermore, the project activity already verified under VCS previously and currently undergoing periodic VCS verification. Hence, based on the information's available through approved documents (VCS verifications), it can be confirmed that project is implemented and being operated as described in the registered PD/1.1/.

The assessment team has verified sufficient appropriate audit evidences, to reduce audit risk to an acceptably low level as requisite to achieve reasonable level of assurance for the current verification.

2.5 Resolution of Findings

The objective of this step is to identify, discuss and conclude on the issues related to the monitoring, implementation and operations of the registered project activity that could impair the capacity of the registered project activity to achieve emission reductions or influence the monitoring and reporting of emission reductions. This is done based on the desk review and remote assessment. The verification team prepares and/or updates a verification protocol (internal document) that records the conformities and non-conformities, which may be of following types;

CAR (Corrective Action Request) is raised if one of the following occurs:

- Non-compliance with the monitoring plan, the methodology or the standardized baseline are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient;
- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;
- Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions;
- Issues identified in a FAR during validation to be verified during verification or previous verification(s) have not been resolved by the project participants.

Clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met. All CARs and CLs raised by the Applus+ certification during verification shall be resolved prior to submitting a request for issuance.

FAR (Forward Action Request) is raised during verification if the monitoring and reporting require attention and/or adjustment for the next verification period.

All the findings that are raised and communicated to project participant during the verification are included under Appendix 4. The section also includes the response, if provided, by the project participants and an assessment by the verification team if it was closed out or otherwise.

2.5.1 Forward Action Requests

The project activity is undergoing periodic verification under VCS; there were no FARs raised during the validation or previous verification/2.1/.

2.6 Eligibility for Validation Activities

Not applicable, as Applus+ holds the accreditation to perform validation activities in this Sectoral Scope.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

The project is not applied under any other GHG program like CDM, GS, hence not applicable. This was confirmed through a declaration/14/ submitted by the PP and hence accepted by the assessment team. Audit team checked the REC Mechanism database of India and found that the project activity is not accredited / registered under REC mechanism. Further, declaration for the same is checked and found correct by the assessment team. Also assessment team checked the following registries to confirm the same. The details of the registries checked are as follows:

1. <https://www.recregistryindia.nic.in/>
2. <http://cdm.unfccc.int/>
3. <http://www.goldstandard.org/>

Rejection by other GHG programs

The Project is not rejected by other GHG programs. A declaration/14/ for the same is checked and found correct by the assessment team. Also assessment team checked the following registries to confirm the same. The details of the registries checked are as follows:

1. <https://www.recregistryindia.nic.in/>
2. <http://cdm.unfccc.int/>
3. <http://www.goldstandard.org/>
4. <https://verra.org/verra-standards-and-programs/>

The Project has no intend to generate any other form of GHG-related environmental credit for GHG emission reductions or removals claimed under the VCS Program. Renewable energy certificates are available for trading in the host country However, the same is not availed by the Project Proponent. The undertaking regarding the same is submitted by the PP which is acceptable to the assessment team and assessment team also checked the REC web site (<https://recregistryindia.nic.in/>) and found the declaration/14/ to be correct.

3.2 Methodology Deviations

There is no methodology deviation identified during the current monitoring period. Also, there were no methodology deviations identified during the previous verification/2.1/.

3.3 Project Description Deviations

There is no deviation identified during the current monitoring period. Also, there were no project description deviations identified during the previous verification/2.1/.

3.4 Grouped Project

This is not a grouped project. Therefore, this section is Not Applicable.

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 through breakdown log sheet records 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 Google software. Moreover, assessment team confirm that the latitudes and longitudes as mentioned in the registered PDD are correct. The WTG wise latitudes and longitudes are confirmed below:

S. No.	Project Owner	Machine ID	District	State	Latitude (N)	Longitude (E)
1	D. J. Malpani	RGP2- 09	Ujjain	Madhya Pradesh	23° 21' 25"	75° 47' 38"
2		RGP2- 08			23° 22' 04"	75° 48' 13"

3		RGP2- 18			23° 20' 16"	75° 49' 10"
4		RGP2- 03			23° 20' 31"	75° 48' 57"
5		RGP2- 07			23° 22' 16"	75° 47' 48"
6	D. J. Malpani	IWISL/2000/ 16-17/3826	Surendran agar	Gujarat	22° 41'	71° 11'
7		IWISL/2000/ 16-17/3829			51.9634"	45.4457"
8		IWISL/2000/ 16-17/3830			22° 42'	71° 12'
9	D. J. Malpani	IWISL/2000/ 16-17/4060	Amreli	Gujarat	09.1591"	20.8237"
10		IWISL/2000/ 16-17/4061			22° 41'	71° 12'
11		IWISL/2000/ 16-17/4062			59.8731"	31.8505"
12		IWISL/2000/ 16-17/4063			21° 18'	71° 25'
13		IWISL/2000/ 16-17/4064			27.5358"	05.4767"
14		IWISL/2000/ 16-17/4065			21° 18'	71° 25'
15		IWISL/2000/ 16-17/4066			21° 18'	71° 26'
16		IWISL/2000/ 16-17/4067			29.9265"	02.8202"
17		IWISL/2000/ 16-17/40678			21° 18'	71° 26'
18		IWISL/2000/ 16-17/4350			18.5448"	03.1529"
19		IWISL/2000/ 16-17/4489			21° 18'	71° 26'
20		IWISL/2000/ 16-17/4490			10.5525"	09.6116"
21		IWISL/2000/ 16-17/4491			21° 18'	71° 30'
22	D. J. Malpani	DJM 01	Palakkad	Kerala	21.4798"	27.9626"
23		DJM 02			21° 19'	71° 27'
24		DJM 03			48.1147"	17.9010"
25		DJM 05			21° 19'	71° 27'
26		DJM 06			59.6034"	03.5558"

					34.0199"	58.6108"
27		DJM 07			10° 46' 31.8877"	76° 47' 07.1889"
28		DJM 08			10° 46' 24.7089"	76° 47' 10.5038"
29		DJM 09			10° 46' 18.3974"	76° 47' 21.4268"
30		ADD- 01			22° 37' 50"	75° 16' 55"
31	D. J. Malpani	ADD- 06			22° 37' 24"	75° 16' 29"
32		TIR- 11			22° 37' 11"	75° 16' 40"

Starting date of the operation of the project activity is commissioned between 28-03-2016 which is the date of commissioning/commercial operation of the 1st WTG/Assessment team checked the commissioning certificate and confirmed that the Dates of Commission for the WTGs are correct. Assessment team also conform during the remote audit that there is no change in project design except deviation requested and the project is implemented as per the description provided in the registered PDD. Commissioning dates of WTGs are given below:

S. No.	Project Owner	Machine ID	DOC2	District	State
1		RGP2- 09	28-March-2016		
2		RGP2- 08			
3	D. J. Malpani	RGP2- 18	29- March-2016	Ujjain	Madhya Pradesh
4		RGP2- 03			
5		RGP2- 07			
6		IWISL/2000/16-17/3826			
7	D. J. Malpani	IWISL/2000/16-17/3829	31- March-2017	Surendranagar	Gujarat
8		IWISL/2000/16-17/3830			
9		IWISL/2000/16-17/4060			
10		IWISL/2000/16-17/4061			
11	D. J. Malpani	IWISL/2000/16-17/4062	31- March-2017	Amreli	Gujarat
12		IWISL/2000/16-17/4063			
13		IWISL/2000/16-17/4064			
14		IWISL/2000/			

²Date Of commissioning

		16-17/4065			
15		IWISL/2000/ 16-17/4066			
16		IWISL/2000/ 16-17/4067	31- March- 2017		
17		IWISL/2000/ 16-17/40678	31- March- 2017		
18		IWISL/2000/ 16-17/4350	31- March- 2017		
19		IWISL/2000/ 16-17/4489			
20		IWISL/2000/ 16-17/4490			
21		IWISL/2000/ 16-17/4491			
22	D. J. Malpani	DJM 01	28- March- 2017	Palakkad	Kerala
23		DJM 02			
24		DJM 03			
25		DJM 05			
26		DJM 06			
27		DJM 07			
28		DJM 08			
29		DJM 09			
30	D. J. Malpani	ADD- 01	31- March- 2016	Dhar	Madhya Pradesh
31		ADD- 06			
32		TIR- 11			

The technical parameters have been verified with the name plates as well as with the technical specifications of WTGs and also cross checked from the technical manual of the Manufactures. Assessment team confirms that the technical parameters are consistent with the registered VCS PD. The major technical specifications of the WTG are as follows:

The project activity comprises WTG's of ReGen Power Tech make and of INOX make.

Technical details for VENSYS 87, 1500 KW Machine³.

Particulars	Details
Make	ReGen Powertech
Rated power	1500 kW
Cut-in wind speed	3 m/s
Cut-out wind speed	22 m/s
Survival wind speed	52.5 m/s
Generator	Variable Speed Multi Pole Synchronous
Rotor Diameter	87 m
Swept area	5942 m ²
Speed Range	9 to 17.3 rpm
Hub Height	85 m
Design	Tubular, Four Sections
Foundation Type	Floating
Control of Output	Pitch Regulation
Speed Control	Variable, micro controller based
Low Voltage Ride Through (LVRT)	3 seconds
Primary Brake system	Aerodynamic
Pitch System	Electromechanical
Remote Monitoring	VPN
Wind Turbine type class	GL III B
Design Lifetime	25 years

³<http://www.regenpowertech.com/104/technical-data>

Technical details for WT 2000 DF/100- 2 MW WTG by Inox

Sr. No.	Particulars	Details
1.	Rated power	2 MW
2.	Cut-in wind speed	3 m/s
3.	Rated wind speed	11 m/s
4.	Cut-out wind speed	20 m/s
5.	Hub height	80m
6.	Diameter	100.3 m
7.	Swept area	7894 m ²
8.	Estimated design Life time	25 years

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 17.0. 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.

Assessment team concludes the following:

- There is no material discrepancies between project implementation and the project description provided in the registered PD/04/.
- The monitoring plan is implemented completely and monitoring system (i.e., process and schedule for obtaining, recording, compiling and analysing the monitored data and parameters) is appropriate.
- There is no material discrepancies between the actual monitoring system, and the monitoring plan set out in the project description and the applied methodology/08/.
- The GHG emission reductions or removals generated by the project have not included in an emissions trading program or any other mechanism that includes GHG allowance trading/16/.
- The project has not received or sought any other form of environmental credit, or has become eligible to do so since validation or previous verification.
- The project is registered under VCS only.
- The project activity is comply with indicators for sustainable development in the interim approval guidelines for Clean Development Mechanism (CDM) projects from India as discussed under section 1.11 of MR.

In view of the information's as verified above the assessment team is able to conclude that the project has been implemented as described in the project description.

4.2 Safeguards

4.2.1 No Net Harm

Being bundled renewable wind power generation project there is no negative environmental and socio-economic impacts in fact project activity contributes positively by providing environment friendly power generation leading to sustainable development of the region. Also, the generation of employment supports upliftment of socio-economic status of region. As per the EIA notification dated 14th September 2006, the wind power projects are exempted from environmental clearance. Hence, Environmental impact assessment is not required for this project activity.

The report on "Developmental Impacts and Sustainable Governance Aspects of Renewable Energy Projects" prepared by MNRE dated September 2013 also confirms that wind power project activity operations do not result in direct air pollution, noise pollution. Hence verification team confirms that there are no any significant impacts due to implementation of project activity on air, water, soil quality and ambience are envisaged due to the project activity.

4.2.2 Local Stakeholder Consultation

The Project is already registered with VCS and registered VCS Project Description; sections 6 describe the Local Stakeholder Consultation Process as in-line with VCS requirement.

As a part of continuous feedback from stakeholders, there were no other major comments or protest raised by the stakeholders and they were totally in support for setting up of these kinds of projects in the region.

For ongoing communication, the PP has also placed a grievance register onsite where in the stakeholder can put down his/her complain and the same if found genuine will be addressed immediately. However, being renewable wind power generation project there is no feedback/grievance has been reported within this monitoring period verified from the photos provided by the Project participant.

4.3 AFOLU-Specific Safeguards

Not applicable for this verification.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The project monitoring has been carried in accordance with the registered VCS PD/01/ and the monitoring report/04/. The monitoring plan laid in the registered PD is being followed at the site/18/. The assessment team has verified the information flow (from data generation, aggregation, to recording, calculation and reporting for these parameters including the values) in the MR/04/.The emission reductions are purely based on the net electricity generated and exported from the machines. PP has provided all the sufficient data for current monitoring period. The values of the parameter net electricity generation supplied to the grid by each phase used in deriving the GHG emission reduction could be very well correlated between the data sets and ER spreadsheet/05/ provided by PP. the verification of each monitoring parameter has been discussed later in section 4.5.

The calculation method and formulae used in calculating baseline emission is in compliance to the methodology used i.e. ACM0002 Version 17 /09/. Since project activity is a wind power project, leakage emission and project emission has been considered as zero.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

The below tables describe how the parameter, that is to be measured according to the monitoring plan, has been verified to confirm that the actual monitoring complies with the monitoring plan, monitoring data has been thoroughly assessed and that the calibration requirements are met.

Parameter	Quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid in year y, $EG_{PJ,y}$ (MWh)	
Means of verification	Criteria/Requirements	Assessment/Observation
	Measuring /Reading /Recording frequency	The parameter is calculated and recorded on monthly basis. Quantity of net electricity generation supplied by the project plant/unit to the grid in year y, is calculated as: $EG_{PJ,y} = (\sum EG_{JMR, project, export,y} - \sum EG_{JMR, project, import,y})$

		Where, EG_{JMR, project, export, y}=Quantity of Electricity exported by the Project WTGs connected to the feeder i to the grid during the year y. EG_{JMR, project, import, y}= Quantity of Electricity imported by the Project WTGs connected to the feeder i from the grid during the year y.	
	Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)	Yes. The reporting frequency is in line with the monitoring plan as outlined in the registered PD/01/ and monitoring methodology/09/.	
	Monitoring equipment	No monitoring equipment is used as this parameter is calculated. However the parameter EG_{JMR, project, export, y} and EG_{JMR, project, import, y} are calculated using measured values, are continuously monitored, hourly measured and monthly recorded ⁴ .	
	Is accuracy of the monitoring equipment as stated in the monitoring plan? If the monitoring plan does not specify the accuracy of the monitoring equipment, does the accuracy of the monitoring equipment comply with local/national standards, or as per the manufacturer's specification?	The accuracy of the monitoring equipment used to measure the input values used to calculate EG_{JMR, project, export, y} and EG_{JMR, project, import, y} is 0.2s, which is as per the registered PD/01/ which is as per the norm defined in the PPA/12/.	

	Is the accuracy valid for the entire measuring range or do different accuracy levels apply to different measuring ranges?	Yes. The accuracy of monitoring equipment's is valid for the entire range.
	Calibration frequency /interval:	Calibration frequency of the meters is once in 5 years.
	Is the calibration interval in line with the monitoring plan and/or methodology? If the monitoring plan does not specify the frequency of calibration, is the selected frequency in accordance with the local/national standards, or as per the manufacturer's specifications?	Yes. The calibration frequency is once in 5 years as outlined in the registered PD/01/ is in accordance with the national standards/15/.
	Is the calibration of measuring equipment carried out by an accredited person or institution?	Calibration of the measuring equipment's is carried out by an accredited entity.
	Is(are) calibration(s) valid for the whole reporting period?	Calibration of meters is valid for the current monitoring period.
	Is the calibration carried out for a measuring range comparable with the range for which measurements have been carried out?	Yes. The calibration is carried out appropriately.
	How were the values in the monitoring report verified?	Cumulative value of $EG_{p,j,y}$ for entire monitoring period is reported in the monitoring report/04/, and monthly values in the ER calculation sheet/05/. The monthly values were verified from the credit notes issued by state utility and found to be consistent. Value of this parameter for the current monitoring period was

		verified as 45,849 MWh.
	If applicable, has the reported data been cross-checked with other available data?	The monthly reported values of $EG_{p,j,y}$ were further cross checked with the monthly invoices raised by the PP /07/ to state utility and found to be consistent.
	Does the data management ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?	Remote assessment of the project activity confirms that the necessary QA/QC procedures are in place and the data management system is effective and reliable.
	In case project participants have temporarily not monitored the parameter, has either i) a deviation been approved by the CDM EB or ii) has the parameter been estimated as stipulated by Appendix 1 to the CDM Project Standard?	No such issues.
Findings	CL#4 & 5 was raised and resolved	
Conclusion	The parameter has been monitored appropriately, in accordance with the registered monitoring plan (as per measurement methods and procedures to be applied) and applied methodology. The monitoring results were recorded consistently as per the approved frequency in the monitoring plan. The emission reduction calculation for the project activity is estimated based on the electricity supplied by the WTGs. Since 100% data was verified, the team can ascertain that the values taken for emission reduction calculation are free from material errors.	

Parameters fixed ex ante:

$EF_{grid,OM,simple,;}$ tCO_{2e}/MWh : it is the operating margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.9843tCO_{2e}/MWh$ is consistent with the registered PD/01/.

$EF_{grid,BM,y}$; tCO_{2e}/MWh : it is build margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.9083tCO_{2e}/MWh$ is consistent with the registered PD/01/.

$EF_{grid,CM,y}$; tCO_{2e}/MWh : it is the combined margin emission factor of NEWNE grid fixed at the time of project registration the mentioned value of $0.9653tCO_{2e}/MWh$ is consistent with the registered PD/01/.

Calibration of meters:

During the verification assessment of the project activity, accuracy of all the metering have been checked and found appropriate. The installation and working conditions of the meters were checked during the remote inspection and were found to be satisfactory. Details of meters are provided in below table:

The current meter details for M/s DJ Malpani are as follows:

The Main and Check Meter details for Dhar Site, Madhya Pradesh are as follows:

Meter Details for WTG ID: TIR- 11			
Main Meter		Check Meter	
Make	Secure	Make	Secure
Meter Sl. No	XD500605	Meter Sl. No	XD500606
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	19-March-2016 and 01-March-2021 for the latest calibration details	Calibration Date	21-March-2016 and 01-March-2021 for the latest calibration details.
Due Date of Calibration	18-March-2021 and 28-February-2026 for the latest calibration	Due Date of Calibration	20-March-2021 and 28-February-2026 for the latest calibration

Meter Details for WTG ID: ADD- 01 & ADD- 06			
Main Meter		Check Meter	
Make	Secure	Make	Secure
Meter Sl. No	XD500602	Meter Sl. No	XD500603
Accuracy Class	0.2 s	Accuracy Class	0.2 s

Calibration Date	21-March-2016 and 01-March-2021 for the latest calibration details	Calibration Date	19-March-2016 and 01-March-2021 for the latest calibration details
Due Date of Calibration	20-March-2021 and 28-February-2026 for the latest calibration	Due Date of Calibration	18-March-2021 and 28-February-2026 for the latest calibration

The Main and Check Meter details for Ghatiya Site, Madhya Pradesh are as follows:

Meter Details for WTG ID: RGP2- 08 & RGP2- 09 at Feeder-1			
Main Meter		Check Meter	
Make	Secure	Make	Secure
Meter SI. No	XD500608	Meter SI. No	XD500609
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	14-September-2018	Calibration Date	14-September-2018
Due Date of Calibration	13-September-2023	Due Date of Calibration	13-September-2023
Meter Details for WTG ID: RGP2- 18, RGP2- 03 & RGP2- 07 at Feeder-2			
Main Meter		Check Meter	
Make	Secure	Make	Secure
Meter SI. No	Y0056943	Meter SI. No	Y0056944
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	14-September-2018	Calibration Date	14-September-2018
Due Date of Calibration	13-September-2023	Due Date of Calibration	13-September-2023

The Main and Check Meter details for Sadla site are as follows:

Meter-1	Meter-2
Main Meter	Check Meter

Make	Secure	Make	Secure
Meter Sl. No	GJ 3819 A	Meter Sl. No	GJ 3820A
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	30-January-17	Calibration Date	30-January-17
Due Date of Calibration	29-January-2022	Due Date of Calibration	29-January-2022

The Main and Check Meter details for Savarkundla site are as follows:

Meter-1		Meter-2	
Main Meter		Check Meter	
Make	Secure	Make	Secure
Meter Sl. No	GJ3856A	Meter Sl. No	GJ3857A
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	18-05-2017	Calibration Date	18-05-2017
Due Date of Calibration	17-05-2022	Due Date of Calibration	17-05-2022

The Main and Check Meter details for Kinfra site, Kerala are as follows:

Meter Details for Feeder- 1			
Main Meter		Check Meter	
Make	L & T	Make	L & T
Meter Sl. No	16088079	Meter Sl. No	16088085
Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	25-March-2017	Calibration Date	25-March-2017
Due Date of Calibration	24-March-2022	Due Date of Calibration	24-March-2022
Meter Details for Feeder- 2			
Main Meter		Check Meter	
Make	L & T	Make	L & T
Meter Sl. No	16088074	Meter Sl. No	16088092

Accuracy Class	0.2 s	Accuracy Class	0.2 s
Calibration Date	27-March-2017	Calibration Date	27-March-2017
Due Date of Calibration	26-March-2022	Due Date of Calibration	26-March-2022

The assessment team has verified the monthly credit notes issued by the state utility and confirmed that only the data recorded through main meters is used to calculate net electricity supplied to the grid consequently for ER calculations.

Assessment on delay in calibration:

There is no delay in meter calibration as the meter calibration frequency is “Once in five years” and as the meter calibration during the current monitoring period has happened in 2016, 2017 and 2021 as provided above. The meters with calibration due date in 2021 have been calibrated again before the due date..

The verification team has remotely checked all the meters and confirmed that the meters were working satisfactorily. Also the calibration of meters is completely under preview of state utility and PP has no control over the same as confirmed through interviews of site personnel and PPA signed by the PP with state utility/12/.

Hence it can be concluded that the approach followed by the PP is conservative and in line with the guidelines provided under paragraph 366(a) of VVS version 02.

The registered VCS PD/01/ & MR /04/ and remote audit observations confirm that the metering equipment are sealed and maintained by the state utility.

In view of the above discussion the assessment team is able to confirm that evidence used to determine the GHG reductions and removals are sufficient and appropriate with respect to quality and quantity.

GHG Calculations

The emission reduction as per the applied methodology equals the baseline emissions (project emissions and leakage emissions for such project activities is considered zero). The formula provided for the calculation of baseline emissions is:

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

Where:

BE_y : Baseline emissions in year y (tCO₂/yr)

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

$EF_{grid, CM, y}$: Combined Margin (CM) Emission Factor of NEWNE (tCO₂/MWh)

Since the project activity is the installation of a new grid-connected renewable power plant/unit at a site where no renewable power plant was operated prior to the implementation of the project activity, hence:

$$EG_{PJ,y} = EG_{facility,y}$$

Where,

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

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

Thus, $BE_y = 45,849 * 0.9653 \text{ tCO}_2/\text{MWh}$

= 44,257 tCO₂e (rounded down value)

The verification team confirms that appropriate methods and formulae for calculating baseline emissions have been followed. The assumptions, emission factors and default values that were applied in the calculations are justified. The verification team confirms that appropriate methods and formulae for calculating baseline emissions have been followed. The assumptions, emission factors and default values that were applied in the calculations are justified. The actual emission reduction achieved during the current monitoring period are 23.10% lower than the estimated amount of emission reductions at the time of validation, which is due to the high PLF achieved by the project activity during the monitoring period. It is to be noted that PLF is completely governed by the availability of wind, which is natural phenomenon and same is beyond the control of PP. Furthermore, the assessment team checked the registered PD and verified that in the sensitivity analysis, increase in PLF is well within the sensitivity analysis margin of 10% assumed in the financial calculation and does not have any impact on additionality; hence the assessment team has concluded the increase in emission reduction of the project activity is justified and acceptable.

All the data were made available and have monitored as per required monitoring frequency. The means of verification for the values of parameters, used for baseline emission calculation, is described above.

4.6 Non-Permanence Risk Analysis

Not applicable for the project activity. This section is not applicable for non-AFOLU projects.

5 VERIFICATION CONCLUSION

Applus+ certification, contracted by M/s DJ Malpani, has performed the independent verification of the emission reductions for the VCS project activity (VCS ID- 1679) “Bundled Wind Power Project in Madhya Pradesh, Gujarat and Kerala by D.J. Malpani” in India for the monitoring period 01-January-2021 to 30-June-2021 as reported in the Monitoring Report Version 03 dated 20/09/2021. The M/s DJ Malpani is responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project activity.

It is our responsibility to express an independent verification statement on the reported GHG emission reductions from the project activity

Applus+ certification commenced the verification on the basis of the baseline and monitoring methodology ACM0002 Version 17, the monitoring plan contained in the registered VCS PD Version 03, dated 19/02/2018 and VCS guidelines version 4, Monitoring Report Version 03 dated 20/09/2021 as per the process described under Section 2 of this report.

Applus+ certification verification approach is based on the understanding of the risks associated with reporting of GHG emission data and the controls in place to mitigate these. Applus+ certification planned and performed the verification by obtaining evidence and other information and explanations that Applus+ certification considered necessary to give reasonable assurance that reported GHG emission reductions are fairly stated.

In our opinion the GHG emissions reductions reported for the project activity for the period 01/01/2021 - 30/06/2021 are fairly stated in the Monitoring Report Version 03 dated 20/09/2021. The GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology ACM0002, Version 17, and the VCS standard 4.1.

Verification period: From 01/01/2021 - 30/06/2021 (including both days)

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

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
01-January-2021 to 30-June-2021	44,257	0	0	44,257
Total	44,257	0	0	44,257

APPENDIX 1: <REFERENCES>

S.No	Title of Document	Version	Date
1.	Registered VCS PD	03	19/02/2018
2.	VCS Validation Report	2	19/02/2018
2.1	Last VCS Verification Report monitoring period: 01-April-2019 to 29-February-2020)	01	29/04/2020
3.	VCS Monitoring Report	1	13/08/2021
4.	VCS Monitoring Report (Final)	03	20/09/2021
5.	ER spread sheet (corresponding to the final monitoring report)	2	20/09/2021
6	Certificates of Calibration for all the meters belongs to project activity	-	-
7.	Invoice issued by PP to state DISCOM	-	For the period 01/01/2021 to 30/06/2021
8.	Monthly JMR and Credit notes issued by SEB for the current verification period.	-	For the period 01/01/2021 to 30/06/2021
9.	"Grid-connected electricity generation from renewable sources", ACM0002	17.0	-
10.	CEA Database	Version 12	-
11.	Commissioning certificate for all the WTGs of the project activity issued by state electricity authority	-	
12.	Power Purchase Agreements signed between respective Project developer and state electricity authority	-	-
13.	VCS webpage for the project, VCS ID 1679; https://www.vcsprojectdatabase.org/#/project_details/1669	-	Last accessed on 20/09/2020

S.No	Title of Document	Version	Date
14.	Letter of declaration dated from PP regarding not having created or sought any other form of environmental credit for the same period	-	02/09/2021
15.	Central Electricity Authority (Installation and Operation of Meters) Regulations Notified on 17/03/2006 <u>No. 502/70/CEA/DP&D</u> Amendments Notified on 26/06/2010 <u>No. 502/6/2009/DP&D/D-I</u>	-	Dated 17/03/2006
16.	VCS Standard	Version 4.1	Issued:19-09-2019 Updated: 22-04-2021
17.	VCS Program Guide	Version 4	19/09/2019
18.	Remote assessment –interviews of staff personnel, physical inspection of monitoring system	-	31/08/2021
19.	Monthly generation reports issued by O&M contractor	-	For the period 01/01/2021 to 30/06/2021
20.	Clean Development Mechanism Validation and Verification Standard for Project Activity (CDM-VVS for PA), as per EB 101, Annex 2	2.0	29/11/2018

APPENDIX 2: <COMPETENCY STATEMENT>

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	Qualification	Coverage of scope	Coverage of technical Area	Financial aspect	Host country Experience	Attendance to the Remote-Site Assessment
Vivek Kumar Ahirwar	Lead Auditor (LA) & Technical Expert (TE)	Yes (1)	Yes (1.2)	N/A	Yes	Yes
Simon Shen	Technical Reviewer (TR)	Yes (1)	Yes (1.2)	N/A	N/A	N/A

The curriculum vitae of the DOE's team members are provided below:

Vivek Kumar Ahirwar is a BEE-Certified Energy Auditor by Govt of India with over eight years of relevant experience in energy efficiency, energy audit, thermal and electrical energy generation technology from renewable source and energy conservation in energy intensive industries, designated consumers and commercial buildings, implementation of energy conservation building codes, research, process and green building projects. He is a certified lead auditor for ISO 14001 EMS and 14064. He has experience under various categories of projects stating from renewable to waste to supercritical projects and WCD. He has successfully audited more than 100 GHG (CDM/VCS/GS) projects in different states across the India. He has done Master in Technology (Energy Management) from a premier institute, School of Energy & Environmental Studies, DAVV, Indore (M.P.), India and Bachelor of Engineering (Mechanical Engineering) from Govt. Engineering college, Rewa, RGPV, India.

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

APPENDIX 3: <ABBREVIATIONS>

ABT	Availability Based Tariff
BEF	Baseline Emission Factor
BM	Build Margin
CAR	Corrective Action Request
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CL	Clarification Request
CMS	Central Monitoring System
CMP	Conference of Parties Serving as Meeting of Parties
CO2	Carbon dioxide
DISCOM	Distribution Company
EB	Executive Board
EPC	Engineering, Procurement and Construction
FAR	Forward Action Request
GHG	Green House Gas
ISO	International Standards Organization
JMR	Joint Meter Reading
kW	Kilowatt
kWh	Kilowatt hour
MEDA	Maharashtra Energy Development Agency
MFR	Multi-Function Relay
MR	Monitoring Report
MSDCL	Maharashtra State Electricity Distribution Company Limited

MW	Megawatt
MWh	Megawatt-hour
NEWNE	Northern Eastern Western Northern-Eastern
O&M	Operation and Maintenance
PD	Project Description
PLF	Plant Load Factor
PP	Project Proponent
PPA	Power Purchase Agreement
QA/QC	Quality Assurance and Quality Control
TOD	Time of the Day
UNFCCC	United Nations Framework Convention on Climate Change
WEC	Wind Energy Convertor
WEG	Wind Energy Generator
WTG	Wind Turbine Generator
VCS	Voluntary Carbon Standard
VCSA	Voluntary Carbon Standard Association
VCS PD	VCS Project Description
VCUs	Voluntary Carbon Units
VVB	Validation and Verification Body

APPENDIX 4: <FINDINGS OVERVIEW>

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

FAR ID		Section no.	NA	Date :DD/MM/YYYY
Description of FAR				
N/A				
Project participant response				Date :DD/MM/YYYY
NA				
Documentation provided by project participant				
NA				
VVB assessment				Date: DD/MM/YYYY
NA				

Table 2. CL from this verification

CL ID	01	Section no.	MR	Date : 01/09/2021
Description of CL				
PP section 1.3 of the MR, PP has not provided the Telephone no and email id.				
Project participant response				Date : 02/09/2021
The telephone no and email id are now provided.				
Documentation provided by project participant				
Updated MR				
VVB assessment				Date: 18/09/2021
PP has provided the updated MR and same is acceptable to the assessment team. Hence CL#01 is closed				

Table 2. CAR from this verification

CAR ID	01	Section no.	Page 2 of the MR	Date 01/09/2021
Description of CAR				
On page no 2 of the MR, Contents is not correct and as per the template of the VCS MR. PP is requested to rectify the same.				
Project participant response				Date : 02/09/2021
The Contents has been now corrected and updated as per the template of the VCS MR.				

Documentation provided by project participant	
Updated MR	
VVB assessment	Date: 18/09/2021
PP has provided the updated MR and same is acceptable to the assessment team. Hence CAR#01 is closed	

CAR ID	02	Section no.	1.10& 2.2	Date :01/09/2021
Description of CAR				
1. PP is requested to submit the deceleration letter to avoid the double counting.				
2. Grievances/ LSC register are not submitted to auditor for assessment.				
Project participant response				Date : 02/09/2021
1. The declaration letter to avoid the double counting has been provided now.				
2. Grievances/ LSC register has been provided now.				
Documentation provided by project participant				
1. The declaration letter to avoid the double counting.				
2. Grievances/ LSC register				
VVB assessment				Date: 18/09/2021
PP has provided the declaration letter dated 02/09/2021 and Grievances/ LSC register and same is acceptable to the assessment team. Hence CAR#02 is closed				

CAR ID	03	Section no.	2.3.2	Date :01/09/2021
Description of CAR				
PP has requested Deviation in current monitoring period. However, it is not clear that the PP are seeking Deviation for current monitoring period or its approved during last MP period.				
Project participant response				Date :02/09/2021
The deviation request was already approved in the 2 nd monitoring period. There is no deviation request in the current monitoring period. Therefore, any text describing the deviation request of earlier monitoring period has been removed in the MR.				
Documentation provided by project participant				
Updated MR.				
VVB assessment				Date: 18/09/2021
PP has provided the updated MR and same is acceptable to the assessment team. Hence CAR#03 is closed				

CAR ID	04	Section no.	4.2	Date :01/09/2021
Description of CAR				
The details of monitoring meters and its calibration are provided in the MR. Moreover, Calibration certificates for the complete monitoring period are not provided. However, it is not clear that the meter has not changed in this MP or not and also details of the meter is not provided in MR in section 4.2. Corrective action is raised for the same.				
Project participant response				Date : 02/09/2021
1. There has not been any change in the meter in this MP. 2. The details of meter are now provided in the section 4.2 of MR. 3. The calibration details of the meter are now provided in Appendix I of MR. In case of Sadla site (6 MW), since the date of commissioning (which is 31-March-2017), the meter has not been changed since then. This is because energy meters will be calibrated once in a five year and faulty meters will be duly replaced immediately. So, the next calibration date would be 30-March-2022.				
1. Updated MR 2. Calibration certificates of each site (commissioning certificate in case of Sadla site (6 MW))				
VVB assessment				Date: 19/09/2021
The verification team has assess the provided documents and for Dhar site the provided calibration details are not covered the entire monitoring period. Hence CAR#4 is not closed.				
Project participant response				Date : 20/09/2021
The latest calibration details of Dhar site has now been provided. Accordingly changes have been made in MR and				
Documentation provided by project participant				
1. Calibration details of Dhar site 2. Updated MR 3. Updated ER				
VVB assessment				Date: 21/09/2021
MR and ER sheet have been updated as required and MR and ER sheet have been reviewed and found the calibration details now updated in MR. The Calibration Certificate also verified and found to be correct. Hence CAR#4 is closed.				

CAR ID	05	Section no.	ER sheet	Date :01/09/2021
Description of CAR				
PP has not provided the JMR for current MP i.e., June data is missing. Corrective action is raised for the same.				
2. Rounddown is also not applied in the ER sheet.				
Project participant response				Date : 02/09/2021
1. JMR of current MP with June data is now submitted.				
2. Rundown is now applied in the ER sheet.				
Documentation provided by project participant				
1. Complete JMR from January 2021 to June 2021 for the sites under the project activity.				
2. Updated ER sheet.				
VVB assessment				Date: 18/09/2021
PP has provided the JME and Invoices for entire monitoring period and same has been checked in ER sheet and found correct. Hence CAR#5 is closed.				

Table 3. FAR from this verification

~~FAR ID~~	~~XX~~	~~Section No.~~	~~XX~~	~~Date :~~
~~Description of FAR~~				
NA				
~~Project participant response~~				~~Date : DD/MM/YYYY~~
NA				
~~Documentation provided by project participant~~				
NA				
~~VVB assessment~~				~~Date: DD/MM/YYYY~~
NA				