

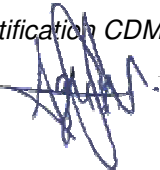


**Verification and certification report form for  
CDM project activities  
(Version 04.0)**

*Complete this form in accordance with the instructions attached at the end of this form.*

**BASIC INFORMATION**

<b>Title and UNFCCC reference number of the project activity</b>	Bundled Wind Power Project by EKI Energy Services Limited (EKIESL-CDM.January-14-04) (UNFCCC Ref. No. 10140)		
<b>Scale of the project activity</b>	<input type="checkbox"/> Large-scale <input checked="" type="checkbox"/> Small-scale		
<b>Version number of the verification and certification report</b>	02		
<b>Completion date of the verification and certification report</b>	27/06/2021		
<b>Monitoring period number and duration of this monitoring period</b>	01 (22/04/2016 - 31/10/2020 (including first and last dates))		
<b>Version number of the monitoring report to which this report applies</b>	02		
<b>Crediting period of the project activity corresponding to this monitoring period</b>	22/04/2016 -21/04/2023 (Renewable)		
<b>Project participants</b>	M/s ReXchange Global Solutions (P73)		
<b>Host Party</b>	India		
<b>Applied methodologies and standardized baselines</b>	AMS-I.D: grid connected renewable electricity generation (Version 17) Standardized Methodology: Not Applicable		
<b>Mandatory sectoral scopes</b>	1: Energy industries (renewable - / non-renewable sources)		
<b>Conditional sectoral scopes, if applicable</b>	NA		
<b>Estimated amount of GHG emission reductions or GHG removals for this monitoring duration in the registered PDD</b>	72,858 tCO <sub>2e</sub>		
<b>Certified amount of GHG emission reductions or GHG removals for this monitoring period</b>	Amount before 1 January 2013	Amount from 1 January 2013 until 31 December 2020	Amount from 1 January 2021
	0 tCO <sub>2e</sub>	52,048 tCO <sub>2e</sub>	0 tCO <sub>2e</sub>
<b>Name and UNFCCC reference number of the DOE</b>	LGAI Technological Center, S.A. (Applus+ Certification) UNFCCC Ref. No.: E-0032		

<b>Name, position and signature of the approver of the verification and certification report</b>	<p>Mr. Agustín Calle de Miguel</p> <p><i>Applus+ Certification CDM Technical Manager</i></p> <p>Signature: </p>
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## SECTION A. Executive summary

M/s ReXchange Global Solutions (P73) has commissioned LGAI Technological Center, S.A. (Applus+ Certification) to perform 1<sup>st</sup> periodic verification of the “Bundled Wind Power Project by EKI Energy Services Limited (EKIESL-CDM.January-14-04)”. The project activity located at Sangli district of Maharashtra state and Rajkot district of Gujarat State, India. The total installed capacity of the project is 8.8 MW (4 WTG of 2 MW and 1 WTG of 0.8 MW). The details of the Bundled project activity are as follows:

S. No.	WTG Owner	Capacity (MW)	No. of WTGs	Total Capacity (MW)	Connection to the Grid	Power Utilization
1	Surbhi Textile Mills Pvt. Ltd.	2	1	2	NEWNE (now Unified Indian Grid)	Sale to Grid
		2	1	2	NEWNE (now Unified Indian Grid)	Sale to Grid
		0.8	1	0.8	NEWNE (now Unified Indian Grid)	Captive
2	SJP Constructions Private Limited	2	1	2	NEWNE (now Unified Indian Grid)	Sale to Grid
		2	1	2	NEWNE (now Unified Indian Grid)	Sale to Grid

The purpose of the project activity is to generate clean form of electricity through renewable wind energy sources. The electricity generated from the project activity is supplied to NEWNE grid (now Indian grid) and energy generated from 0.8 MW WTG is for captive used.

During the reported monitoring period 22/04/2016 to 31/10/2020 (first and last date included) the project activity has supplied 53,382.785 MWh of electricity, and thus contributing to the GHG reductions of 52,048 tCO<sub>2</sub>e.

**1. Verification Scope:** The verification scope encompasses an independent and objective review and ex-post determination of the monitored reductions in GHG emissions by the DOE. The verification is based on the submitted monitoring report, the validated and registered PDD as well as its validation report, the applied monitoring methodology, relevant decisions, clarifications and guidance from the CMP and the EB and any other information and references relevant to the project activity's resulting emission reductions. These documents are reviewed against the requirements of the Kyoto Protocol, the CDM Modalities and Procedures and related rules and guidance. Based on the requirements in the CDM validation and verification standard for project activities, Version 02.0 for the project activity, Applus+ Certification has applied a rule-based approach for the verification of the project. The principles of accuracy, completeness, relevance, reliability and credibility were combined with a conservative approach to establish a traceable and transparent verification opinion. The verification considers both quantitative and qualitative information on emission reductions. The verification is not meant to provide any consultancy towards the client. However, stated requests for clarifications, corrective and/or forward actions may provide input for improvement of the monitoring activities.

## **2. Methodology:**

LGAI Technological Center, S.A. (Applus+ Certification) – Hereinafter referred as Applus+ Certification -approach to the verification is a two-stage process.

In the 1<sup>st</sup> stage, Applus+ Certification completed a strategic review and risk assessment of the projects activities and processes in order to gain a full understanding of:

- Activities associated with all the sources contributing to the project emissions and emission reductions, including leakage if relevant;
- Protocols used to estimate or measure GHG emissions from these sources;
- Collection and handling of data;
- Controls on the collection and handling of data;
- Means of verifying reported data; and
- Compilation of the monitoring report.

Applus+ Certification used a Periodical Verification Checklist which, based on the risk-based assessment of the parameters and data collection and handling processes for each of those parameters, describes the verification approach and the sampling plan.

### **3. Desk Review**

In the 2<sup>nd</sup> stage, using the Verification Checklist, Applus+ Certification verified the implementation of the monitoring plan and the data presented in the Monitoring Report for the period in question. This involved a site visit and a desk review of the Monitoring Report. This Verification Report describes the findings of this assessment.

The Monitoring Report version 01 submitted by the PP was made publicly available on the UNFCCC website before the verification activities started. The published MR was assessed based on all the relevant documents. The aim of the assessment in the desk review was to:

- Verify the completeness of the data and the information presented in the MR;
- Check the compliance of the MR with respect to the monitoring plan depicted in the registered PDD and verify that the applied methodology was carried out. Particular attention to the frequency of measurements, the quality of the metering equipment including calibration requirements, and the quality assurance and quality control procedures was paid;
- Evaluate the data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

### **4. Assessment team**

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

The composition of audit team shall be approved by the LGAI Technological Center, S.A. (Applus+ Certification) ensuring that the required skills are covered by the team.

The four qualification levels for team members that are assigned by formal appointment rules are as presented below:

- Lead Auditor (LA).
- Auditor (A) / Auditor in Training (AiT).
- Technical Expert (TE).
- Technical Reviewer (TR).

The sectoral scope / technical area knowledge linked to the applied methodology/ies shall be covered by the assessment team.

Name	Role	SS Coverage	TA Coverage	Financial aspect
Dr. Atul Takarkhede	LA/TE	YES	YES	NA
Mr. Simon Shen	TR	YES	YES	NA

The curriculum vitae of the DOE's Verification team members is provided in Appendix 2 of this report.

### **5. Review of Documentation:**

The Monitoring Report version 01 submitted by the PP was made publicly available on the UNFCCC website before the verification activities started. The published MR was assessed based on all the relevant documents. A cross-check between information provided and information from other sources has been done. A complete list of documents reviewed is available in Appendix 3 of this report.

### **6. On-site Assessment and follow-up Interviews:**

As a part of the verification, the on-site inspection has been performed by the assessment team. The objective of the on-site assessment is to:

- Confirm the implementation and operation of the project;
- Review the data flow for generating, aggregating and reporting the monitoring parameters;
- Confirm the correct implementation of procedures for operations and data collection;
- Cross-check the information provided in the MR documentation with other sources;
- Check the monitoring equipment against the requirements of the PDD and the approved methodology, including calibrations, maintenance, etc.
- Review the calculations and assumptions used to obtain the GHG data and ER;
- Identify if the quality control and quality assurance procedures are in place to prevent or correct errors or omissions in the reported parameters.

The details are mentioned in section D.2 of this report.

### **7. Quality of Evidences**

Sufficient evidence covering the full verification period in the required frequency is available to verify the figures stated in the final MR. The source of the evidences will be discussed in Appendix 3 of this report. Specific cross-checks have been done in cases that further sources were available. The monitoring report's figures were checked by the assessment team against the raw data. The data collection system meets the requirements of the monitoring plan as per the methodology.

### **8. Reporting of Findings**

As an outcome of the verification process, the assessment team can raise different types of findings.

Where a non-conformance arises the assessment team shall raise a Corrective Action Request (CAR). A CAR is issued, where:

- a) Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants;
- b) Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impact the quantity of emission reductions;
- c) Issues identified in a FAR during validation to be verified during verification or previous verification(s) have not been resolved by the project participants.

The assessment team shall raise a Clarification Request (CL) if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.

All CARs and CLs raised during verification shall be resolved prior to submitting a request for issuance.

Forward Action Requests (FARs) may be raised during verification for actions where the monitoring and reporting require attention and/or adjustment for the next verification period. All the CARs/CLs/FARs are being discussed in Appendix 4 of this report.

## 9. Internal Quality Control

As a final step of verification, the final documentation including the verification report has to undergo an internal quality control by the Technical Reviewer. Each report has to be finally approved either by the DOE's Technical Manager or the Deputy. In case one of these two persons is part of the assessment team, the approval can only be given by the person who is not a part of the assessment team. If the documents have been satisfactorily approved, the request of issuance is submitted to CDM EB along with the requisite documents

### SECTION B. Verification team, technical reviewer and approver

#### B.1. Verification team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Verification findings
1.	Lead Auditor/Technical Expert	OR	Takarkhede	Dr. Atul	True Quality Certifications Private Limited- Outsourced entity	Yes	Yes	Yes	Yes

#### B.2. Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	EI	Shen	Simon	Applus+ Certification
2.	Approver	IR	Calle de Miguel	Agustin	Applus+ Certification

### SECTION C. Application of materiality

#### C.1. Consideration of materiality in planning the verification

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	Human errors: Readings from Meters (if not automatic)	LOW	Human error is likely to occur if the monitoring personnel are not trained well or inexperienced in data recording procedures and monitoring processes.	All the personal are well trained to monitor and collect data and thus risk associated with Human error is minimized. Assessment team checked the training records to confirm that all the personal are well trained to handle the activities related to monitoring. Assessment team checked the training records for the complete monitoring period and confirm that the personal are well trained to monitor and collect data for the project activity.
2.	Human error: Quantification	LOW	Use of spreadsheets without	All the JMRs (Monthly meter

	of emission reduction		adequate data control, changes/updates, version tracking, traceability and security	reading reports) sheets and the invoices for the complete monitoring period are checked and thus the assessment team confirms that the ER value is conservative and correct.
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## C.2. Consideration of materiality in conducting the verification

In line with Guidelines for Application of materiality in verifications, the verification team has conducted a complete verification of all the information presented in the monitoring report and data monitored as presented in the emission reduction calculation spread sheet. There are no material errors, overestimation of ER, omission or misstatement.

## SECTION D. Means of verification

### D.1. Desk/document review

The verification was performed primarily based on the review of the monitoring report and the supporting documentation. This process included review of data and information presented to verify their completeness and review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment used including calibration requirements, and the QA/QC procedures, and an evaluation of data management and the QA/QC system in the context of their influence on the generation and reporting of emission reduction.

The initial MR Version 01 submitted by the project participant and additional background documents related to the emission reductions are reviewed as an initial step of the verification process. The subsequent step involved the identification of corrective action requests, clarification requests and Forward action request (CAR, CL and FAR) which are presented in Appendix 4 of this report. As a result of these findings, the MR is revised & submitted by PP. A complete list of all documents and records reviewed is as attached in Appendix 3 of this report.

**D.2. On-site inspection**

Duration of on-site inspection: 28/04/2021-29/04/2021				
No.	Activity performed on-site	Site location	Date	Team member
1.	<p>The verification team conducted visit to the project site to confirm the information and to resolve issues identified in the document review. An on-site assessment was conducted as a part of verification activity and involved:</p> <p>1) an assessment of the implementation and operation of the CDM project activity as per the registered PDD</p> <p>2) a review of information flows for generating, aggregating and reporting of the monitoring parameters</p> <p>3) interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the Monitoring Plan</p> <p>4) a cross-check between information provided in the MR and data from other sources</p> <p>5) a check of the monitoring equipment including calibration performance, and observations of monitoring practices against the requirements of the PDD and the applied methodology</p> <p>6) a review of calculations and assumptions made in determining the GHG data and ERs, and</p> <p>7) an identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters</p>	Khadvavdi, Rajkot, Gujarat (GJ) & Rawalgundwadi, Sangli, Maharashtra (MH), India	28/04/2021-29/04/2021	Dr. Atul Takarkhede

**D.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Dabkara	Mr. Manish	PP representative	28/04/2021 - 29/04/2021	As mentioned above in section D.2 of this report	Dr. Atul Takarkhede
2.	Ghosh	Bibhushita	Consultant, EKI Energy Service Ltd.	28/04/2021 - 29/04/2021	As mentioned above in section D.2 of this report	Dr. Atul Takarkhede

**D.4. Sampling approach**

No sampling is used as the verification team has visited site along with the substations. The verification team has reviewed all the documents like commissioning certificates, JMR (monthly reports) sheets, invoices etc



### D.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised

Areas of verification findings	No. of CL	No. of CAR	No. of FAR
Compliance of the monitoring report with the monitoring report form	00	02	00
Compliance of the project implementation and operation with the registered PDD	00	01	00
Post-registration changes	00	00	00
Compliance of the registered monitoring plan with the methodologies including applicable tools and standardized baselines	00	00	00
Compliance of monitoring activities with the registered monitoring plan	00	01	00
Compliance with the calibration frequency requirements for measuring instruments	00	01	00
Assessment of data and calculation of emission reductions or net removals	00	00	00
Assessment of reported sustainable development co-benefits	00	00	00
Global stakeholder consultation	00	00	00
Others (please specify)	00	00	00
<b>Total</b>	<b>00</b>	<b>05</b>	<b>00</b>

## SECTION E. Verification findings

### E.1. Compliance of the monitoring report with the monitoring report form

<b>Means of verification</b>	The verification team has determined whether the monitoring report was completed using the valid version of the applicable monitoring report form. The verification team has checked whether all the sections of the monitoring report follow the guidelines provided in the template
<b>Findings</b>	CAR 01 and CAR 02 were raised during the verification process and closed successfully. Please refer Appendix 4 for the complete closure of the CAR.
<b>Conclusion</b>	The MR was web hosted in version 07.0 of the MR form which is the current and active version in the UN platform. The monitoring report has been prepared as per the instructions provided in the template. DOE has made the version 01 of the monitoring report covering the monitoring period 22/04/2016 to 31/10/2020; (both the days included) publicly available through its dedicated interface on the UNFCCC CDM website on 02/03/2021 <sup>1</sup> i.e. before undertaking the site visit for the verification. The verification team has concluded that the monitoring report was completed using the valid version of the applicable monitoring report form and is followed the guidelines contained in the template.

### E.2. Remaining forward action requests from validation and/or previous verifications

This is 1st periodic verification of the project activity. No FAR was raised during the validation of the project activity

### E.3. Compliance of the project implementation and operation with the registered project design document

<b>Means of verification</b>	The verification team determined the conformity of the actual implemented project activity and its operation with the registered project design document. DOE has, by means of a desk review and an on-site visit, assessed whether all physical features of the proposed CDM project activity proposed in the registered PDD are in place, and that the project participants have operated the CDM project activity as per the registered PDD.
<b>Findings</b>	CAR 03 was raised during the verification process and closed successfully. Please refer Appendix 4 for the complete closure of the CAR.
<b>Conclusion</b>	The verification team has reviewed the commissioning certificates to conclude that

<sup>1</sup> [https://cdm.unfccc.int/Issuance/MonitoringReports/mr\\_for\\_date.html?date=2021/03/02](https://cdm.unfccc.int/Issuance/MonitoringReports/mr_for_date.html?date=2021/03/02)

the capacity of the project is same as mentioned in the registered PDD. The capacity does not change after the registration of the project activity as confirmed by the assessment team during verification site visit. All the wind turbines installed are in continuous operation. The situation of continuous operation is confirmed during site visit and evident from Breakdown log sheets. No major breakdown was found. Scheduled & preventive maintenance were carried out as per manufacturer specification for the power plant. No unforeseen activity observed during the present verification that can alter the applicability or additionality of the applied methodology. The details are checked by the assessment team from the plant log records and found correct. Assessment team also checked the implementation status of the project activity and confirm that detail as presented in the MR is correct. The project commissioning date and location is described below along with the latitude and longitude.

Assessment team has checked the latitude and longitude via GPS meter during onsite visit. The same is than crosschecked with Google earth software to confirm the latitude and longitude of the power plant. The details are given below;

WTG Owner	Capacity (MW)	WTG ID	Latitude			Longitude		
			Deg	Min	Sec	Deg	Min	Sec
Surbhi Textile Mills Pvt. Ltd.	2	MV2T-18	16	59	20.04	75	17	47.083
Surbhi Textile Mills Pvt. Ltd.	2	MV2T-61	16	57	25.7	75	16	10.3
Surbhi Textile Mills Pvt. Ltd.	0.8	WIL/800/13 - 14/3420	22	7	7.7	71	5	3
SJP Constructions Pvt. Ltd.	2	MV2-T-19	16	59	28.66	75	17	27.92
SJP Constructions Pvt. Ltd.	2	MV2-T-20	16	59	7.85	75	17	15.91

Commissioning dates of bundled project activity is verified with the commissioning certificate and found correct. The same is given below:

WTG Owner	Capacity (MW)	WTG ID	Commissioning Date
Surbhi Textile Mills Pvt. Ltd.	2	MV2T-18	31/03/2014
Surbhi Textile Mills Pvt. Ltd.	2	MV2T-61	31/03/2014
Surbhi Textile Mills Pvt. Ltd.	0.8	WWIL/800/13 - 14/3420	01/05/2014
SJP Constructions Pvt. Ltd.	2	MV2-T-19	30/03/2014
SJP Constructions Pvt. Ltd.	2	MV2-T-20	30/03/2014

The assessment team checks the above details during the verification site visit & review of commissioning certificates. The same are found in-line with registered PDD. The detail also forms the part of Monitoring report and thus acceptable to the assessment team.

The total installed capacity of the bundled project activity is 8.8 MW (4 WTG of 2 MW and 1 WTG of 0.8 MW capacity). Assessment team checked the technical specification and details of the power plant during the onsite visit. The details are checked from the manufacturer technical specification as well from the physical visit. The detail as mentioned in the registered PDD is correct and the same is mentioned in the MR. The detail is as follow:

Technical details for WT 2000 DF Machine manufactured by Inox Wind Limited:

Description	Specification
Rated Power	2000 kW
Rotor Diameter	93m
Rotational Speed	15.9 rpm

Swept Area	6785 m <sup>2</sup>
Hub Height	80 m
Cut-in Speed	3 m/s
Rated Wind Speed	11 m/s
Cut-off wind Speed	20 m/s
Gear Type	2 Planetary & 1 Parallel shaft gear
Gear ratio	1: 114.7
Generator Type	Double feed Induction Generator
Generator Rated Power	2000 kW
Rated Voltage	690 V AC, 3 Phase
Frequency	50 Hz
Estimated design Life time	25 Years

Technical details for Wind World India Limited E-53 Machines:

<b>Turbine model</b>	Wind World India Limited <b>E- 53</b>
Rated power	800 KW
Rotor diameter	53 m
Hub height	75 m
Turbine Type	Gearless horizontal axis wind turbine with variable rotor speed
Power regulation	Independent electromechanical pitch system for each blade.
Cut in wind speed	2.5 m/s
Rated wind speed	12 m/s
Cut out Wind speed	28-34 m/s
Extreme Wind Speed	59.5 m/s
Rated rotational speed	32 rpm
Operating range rot. speed	12-29 rpm
Orientation	Upwind
No of Blades	3
Blade Material	Fibre Glass Epoxy reinforced with integral lightning protection
Gear box type	Gear less
Generator type	Synchronous generator
Braking	Aerodynamic
Output Voltage	400 V
Yaw System	Active yawing with 4 electric yaw drives with brake motor and friction bearing
Tower	74 m concrete

The WTGs undergone scheduled maintenance as per the manufacturer's specifications and no unforeseen incident observed by the assessment team during the monitoring period. The details are checked by the assessment team from the plant log records and found correct.

Based on the documentary evidence of commissioning certificates and physical verification DOE concludes that the project was implemented as per the registered PDD.

**E.4. Post-registration changes****E.4.1. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents<sup>2</sup>**

Not applicable for present Monitoring period

**E.4.2. Corrections**

Not applicable for present Monitoring period

**E.4.3. Changes to the start date of the crediting period**

The starting date of crediting period has been changed from 22/04/2015- 21/04/2022 to 22/04/2016 - 21/04/2023 (Renewable). The same has been verified by the assessment team from the UNFCCC website<sup>3</sup>.

**E.4.4. Inclusion of a monitoring plan**

Not applicable for present Monitoring period.

**E.4.5. Permanent changes from registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents**

Not applicable for present Monitoring period.

**E.4.6. Changes to the project design**

Not applicable for present Monitoring period

**E.4.7. Changes specific to afforestation and reforestation project activities**

Not applicable for present project activity.

**E.5. Compliance of the registered monitoring plan with applied methodologies, applied standardized baselines, and other applied methodological regulatory documents**

<b>Means of verification</b>	The verification team determined whether the registered monitoring plan is in accordance with the applied methodology AMS-I.D: grid connected renewable electricity generation - version 17 including applicable tools.
<b>Findings</b>	No finding was raised on the registered monitoring plan.
<b>Conclusion</b>	The verification team is able to confirm that the monitoring plan contained in the registered PDD is in accordance with the approved methodology applied by the project activity, i.e. AMS-I.D: grid connected renewable electricity generation - version 17 and its applicable tools. The same is followed onsite and thus assessment team confirms that project activity comply with the requirement of Approved methodology and registered PDD.

**E.6. Compliance of monitoring activities with the registered monitoring plan****E.6.1. Data and parameters fixed ex ante or at renewal of crediting period**

<b>Means of verification</b>	The assessment team checked the registered PDD to confirm the ex-ante fixed parameter mentioned in the current monitoring report. Assessment team also interviewed personal onsite whether monitoring has been to check further regarding the ex-ante values used for emission reduction calculation.
<b>Findings</b>	No finding was raised on the registered monitoring plan.
<b>Conclusion</b>	<b>EF<sub>grid,OM,y</sub>, EF<sub>grid,BM,y</sub>, EF<sub>grid,CM,y</sub></b> , were mentioned as ex-ante fixed parameter. Assessment team checked the values, source of data, choice of data, purpose of the data mentioned in the MR from the registered PDD and confirms that the

<sup>2</sup> Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

<sup>3</sup> <https://cdm.unfccc.int/Projects/DB/RINA1429102526.11/view>

	<p>similar approach was considered for the current monitoring period also.</p> <p><b>The values of <math>EF_{grid,OM,y}</math>, <math>EF_{grid,BM,y}</math>, <math>EF_{grid,CM,y}</math> were considered from the CEA CO<sub>2</sub> baseline database (Version 09) published by Central Electricity Authority (CEA). The default value as mentioned in the registered PDD and MR are same. The value of combined margin in India is being given by CEA and thus assessment team conclude that the value is correct and appropriate. The default value in turn is used for baseline calculation as per the formula given in the registered PDD for the current monitoring period.</b></p> <p><math>EF_{grid,OM,y} = 9776 \text{ tCO}_2\text{e/MWh}</math> (Confirmed and checked as per the registered CDM PDD)</p> <p><math>EF_{grid,BM,y} = 0.9673 \text{ tCO}_2\text{e/MWh}</math> (Confirmed and checked as per the registered CDM PDD)</p> <p><math>EF_{grid,CM,y} = 0.9750 \text{ tCO}_2\text{e/MWh}</math> (Confirmed and checked as per the registered CDM PDD).</p>
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### E.6.2. Data and parameters monitored

Means of verification	The assessment team checked the registered PDD to confirm the ex-post parameter mentioned in the current monitoring report. Assessment team also interviewed the personal onsite to check further regarding the ex-post parameter monitoring and confirms that the same is in line with the registered PDD. AMS-I.D: grid connected renewable electricity generation - version 17 which was the applied methodology during the registration of the project is also checked to ensure that monitoring parameter as mentioned in the registered PDD and current MR are in compliance with the methodology.																		
Findings	CAR 04 was raised during the verification process and closed successfully. Please refer Appendix 4 for the complete closure of the CARs.																		
Conclusion	<p>As per the approved monitoring plan, following parameters are monitored by the PP:</p> <p><b>EG<sub>BL,Gujarat</sub>: Quantity of net electricity supplied to the grid from the project activity in year y in the state of Gujarat</b></p> <p>This parameter is measured by two-way ABT main and check meter of accuracy 0.2s at 66/33 kV Vadali substation. The monthly reading of export and import is taken of the meter at substation by state utility and representative of PP. The quantity of net electricity supplied to grid is calculated as difference of Export and Import of electricity. The WTGs of other owners are also connected to the substation. The O&amp;M contractor provided reading of the controller meters located at WTGs to state utility. Based on the meter reading of the meter located at WTG and meter reading at substation meter, the state utility prepared Certificates for share of electricity generated by the wind farms by apportioning of net electricity exported and issues the generation report to each WTG owners. PP has sourced the Quantity of net electricity supplied to the grid directly from the Certificate for share of electricity generated for calculating emission reductions, Assessment team has cross checked the electricity bill of the entity raised by PP.</p> <p>The details of installed meters are as follows:</p> <table><tr><th>Meter No</th><th>Meter Type</th><th>WTG ID</th><th>Ma ke</th><th>Accuracy Class</th><th>Calibration frequency</th></tr><tr><td>GJ-1934-A</td><td>Main Meter</td><td>WWIL/800/13-14/3420</td><td>L&amp;T</td><td>0.2s</td><td>Once in three years</td></tr><tr><td>GJ-2360-A</td><td>Check Meter</td><td>WWIL/800/13-14/3420</td><td>L&amp;T</td><td>0.2s</td><td>Once in three years</td></tr></table> <p>Details of the calibration dates have been provided in section E.7 below. Delay is observed in the scheduled Calibration of meters from April 2016 to December 2019. Since result of delayed calibration is within permissible limit of accuracy class Hence, PP has also applied maximum permissible error factor 0.2% due to delayed calibration of meters in export and import value in line with the requirement of paragraph 366 (a). Thus, acceptable to DOE.</p> <p><b>EG<sub>BL,y,MH</sub> = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh) in the state of Maharashtra</b></p>	Meter No	Meter Type	WTG ID	Ma ke	Accuracy Class	Calibration frequency	GJ-1934-A	Main Meter	WWIL/800/13-14/3420	L&T	0.2s	Once in three years	GJ-2360-A	Check Meter	WWIL/800/13-14/3420	L&T	0.2s	Once in three years
Meter No	Meter Type	WTG ID	Ma ke	Accuracy Class	Calibration frequency														
GJ-1934-A	Main Meter	WWIL/800/13-14/3420	L&T	0.2s	Once in three years														
GJ-2360-A	Check Meter	WWIL/800/13-14/3420	L&T	0.2s	Once in three years														

This parameter is measured by two-way ABT main and check meter of accuracy 0.2s at 220/33 kV Shedyal Substation. The monthly reading of export and Import is taken of the meter at substation by state utility and representative of PP. The Net electricity supplied to the grid by the project activity is calculated as a difference of electricity exported to the grid, electricity imported from the grid obtained from joint meter reading certificates/credit notes issued by MSEDCL as per below equation:  
 $EG_{BL,y} = EG_{Export} - EG_{Import}$

Net Electricity Exported to the Grid by the project activity is calculated as per apportioning procedure provide in Section C of monitoring report. PP has sourced the electricity export and import data directly from the credit Notes issues by Maharashtra State Electricity Distribution Company Ltd for calculating emission reductions. The details of installed meters are as follows:

Meter No	Meter Type	WTG ID	Make	Accuracy Class	Calibration frequency
HT01140155	Main Meter	MV2T-18	Wallaby	0.2s	Annually
		MV2T-19			
		MV2T-20			
HT01140156	Check Meter	MV2T-18	Wallaby	0.2s	Annually
		MV2T-19			
		MV2T-20			
HT01140166	Main Meter	MV2T-61	Wallaby	0.2s	Annually
HT01140167	Check Meter	MV2T-61	Wallaby	0.2s	Annually

Details of the calibration dates have been provided in section E.7 below. Delay is observed in the scheduled calibration of meters from July 2016 to September 2017, June 2019 to September 2019, April 2016 to September 2017, September 2018 to September 2019 in the Maharashtra state sites and from April 2016 to December 2019 in the Gujarat state sites. Since result of delayed calibration is within permissible limit of accuracy class. PP applied maximum error factor of 0.2% error factor in export and import of electricity for calculating emission reductions in line with para 366 (a) of the CDM project standard for project activities, Version 02.0. Error factor is applied for the complete months of above-mentioned period as a conservative approach. Thus, acceptable to assessment team.

The Assessment team checked the Certificate for Share of Electricity generation /JMRs issued by GETCL and Credited Note/(JMR's) issued by the MSEDCL. The Assessment team also cross-verified the net electricity exported to grid values with the help of invoices raised by PP and found correct as per the issued JMRs. Calibration of the meter is supposed to be carried out once in three for Gujarat site and annually for the Maharashtra site year as per registered monitoring plan by State Utility, however delay is observed in the scheduled calibration. PP has applied maximum permissible error of 0.2% in total export and import of energy for this period which is the line of requirement of paragraph 366 of CDM VVS version 02.0. Thus, acceptable to DOE

During the verification all relevant monitoring parameters (as listed in section B.7.1 of PDD) have been verified with regard to the appropriateness of the applied measurement / determination method, the correctness of the values applied for ER calculation, the accuracy, and applied QA/QC measures. The Verification team identified that the correct emission factor is reported under the section D.2 of the monitoring report to apply the appropriately report the emission factor. Based on above assessment the verification team confirms that requisite parameters are monitored in line with registered monitoring plan.

### E.6.3. Implementation of sampling plan

<b>Means of verification</b>	The verification assessed whether the compliance of the sampling efforts and surveys with the registered sampling plan in accordance with the "Standard for sampling and surveys for CDM project activities and programme of activities" if PP
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	had applied a sampling approach to determine data and parameters monitored.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	PP did not apply sampling plan to determine data and parameters monitored during this monitoring period. The verification team has checked all the documents such as JMR (Monthly meter Readings) report, invoice etc. and hence sampling plan was not required. The verification team hereby confirms that are checked all the documents

### E.7. Compliance with the calibration frequency requirements for measuring instruments

Means of verification	The verification team determined whether the calibration of the measuring equipment that has an impact on the claimed emission reductions is conducted by the PP at a frequency specified in the registered monitoring plan					
Findings	CAR 05 was raised during the verification process and closed successfully. Please refer Appendix 4 of this report for the detail closure of the CAR.					
Conclusion	Metering arrangement is tri-vector bi-directional energy meters(main and Check) at the substation. These meters record several parameters including electricity exported & imported. These electricity meters are being used by state officials to obtain the value of export and import and hence Net electricity supplied is calculated based on these values.					
	The meter details and their calibration are as below:					
	Meter No	Meter Type	WTG ID	Calibration Date	Validity of Calibration	Calibration compliance
	HT01140155	Main Meter	MV2T-18	16/07/2015	15/07/2016	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from July 2016 to September 2017, June 2019 to September 2019
			MV2T-19			
			MV2T-20	20/09/2017	19/09/2018	
				27/06/2018	26/06/2019	
				20/09/2019	19/09/2020	
				20/08/2020	19/08/2021	
	HT01140156	Check Meter	MV2T-18	16/07/2015	15/07/2016	
			MV2T-19			
			MV2T-20	20/09/2017	19/09/2018	
				27/06/2018	26/06/2019	
				20/09/2019	19/09/2020	
				20/08/2020	19/08/2021	
	HT01140166	Main Meter	MV2T-61	20/09/2017	19/09/2018	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from April 2016 to September 2017, September 2018 to September 2019.
				20/09/2019	19/09/2020	
				20/08/2020	19/08/2021	
	HT01140167	Check Meter	MV2T-61	20/09/2017	19/09/2018	
				27/06/2018	26/06/2019	
				20/09/2019	19/09/2020	
				20/08/2020	19/08/2021	
GJ-1934-A	Main Meter	WWIL/80 0/13-14/3420	27/12/2019	26/12/2020	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from April 2016 to December 2019	
GJ-2360-A	Check Meter	WWIL/80 0/13-14/3420	27/12/2019	26/12/2020		
Assessment team checked the calibration details of the installed meters and observed delay in the scheduled Calibration of meters Delayed period is identified conservatively considering end date of validity of calibration. Since result of delayed calibration is within permissible limit of accuracy class. PP applied maximum error factor of 0.2% error factor in export and import of electricity for						

	calculating emission reductions in line with para 366 of the CDM project standard for project activities, Version 02.0. Error factor is applied for the complete months of above-mentioned period as a conservative approach. Thus, acceptable to assessment team. Meters are of L & T & Wallaby make accuracy class of 0.2s as per registered monitoring plan. On-site visit and interview with O&M personnel Assessment team checked the calibration details of the installed meters and found also conforms the same.
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## E.8. Assessment of data and calculation of emission reductions or net removals

### E.8.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

<b>Means of verification</b>	The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the registered CDM project activity. The verification team has checked whether calculations of baseline GHG emissions have been carried out in accordance with the formulae and methods described in the registered monitoring plan.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	<p>As per the approved methodology AMS I.D version 17 baseline emissions for the project activity are the product of electrical energy baseline <math>EG_{BL,y}</math> expressed in MWh of electricity produced by the renewable energy generating unit multiplied by the grid emission factor.</p> $BE_y = EG_{BL,y} \times EF_{grid,CM,y}$ <p>Where;  <math>BE_y</math> = Baseline Emissions in tCO<sub>2</sub>e  <math>EG_{BL,y}</math> = Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y (MWh)  <math>EF_{grid,CM,y}</math> CO<sub>2</sub> emission factor of the grid in year y, tCO<sub>2</sub>/MWh  Therefore,  <math>BE_y = EG_{BL,y} \times EF_{grid,CM,y}</math>  <math>BE_y = 53,382.785 \text{ MWh} \times 0.9750 \text{ tCO}_2/\text{MWh}</math>  <math>= 52,048 \text{ tCO}_2(\text{Round down})</math></p>

### E.8.2. Calculation of project GHG emissions or actual net anthropogenic GHG removals by sinks

<b>Means of verification</b>	The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the registered CDM project activity. The verification team has checked whether calculations of project GHG emissions have been carried out in accordance with the formulae and methods described in the registered monitoring plan.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	The project emissions are regarded as zero according to the applied methodology and registered PDD

### E.8.3. Calculation of leakage GHG emissions

<b>Means of verification</b>	The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the registered CDM project activity. The verification team has checked whether calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the registered monitoring plan.
<b>Findings</b>	No findings were raised.
<b>Conclusion</b>	The leakage emissions are regarded as zero according to the applied methodology and registered PDD.

### E.8.4. Summary calculation of GHG emission reductions or net anthropogenic GHG removals by sinks

<b>Means of verification</b>	The verification team assessed whether the data and calculations of GHG emission reductions achieved resulting from the registered CDM project activity. The verification team has checked whether calculations of baseline GHG emissions,
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	project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the registered monitoring plan.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	<p><b>Emission Reductions:</b> The total emission reduction achieved in a year would be  <math>ER_y = BE_y - PE_y - LE_y</math></p> <p>Where,  <math>ER_y</math> is the Emission reductions during the year y  <math>BE_y</math> is the Baseline emissions during the year y  <math>PE_y</math> is the Project emissions during the year y  <math>LE_y</math> is the Leakage emissions during the year y</p> <p>Thus:  <math>ER_y = BE_y - PE_y - LE_y</math>  <math>= 52,048 - 0 - 0</math>  <math>= 52,048 \text{ tCO}_2</math></p> <p>Calculations of baseline GHG emissions, project GHG emissions and leakage GHG emissions have been carried out in accordance with the formulae and methods described in the registered monitoring plan.</p>

#### E.8.5. Comparison of actual GHG emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

<b>Means of verification</b>	The verification team has determined the emission reductions achieved during this monitoring period with the estimated value and reason for increase if any.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	The actual emission reduction achieved by the activity in the monitoring period is 52,048 tCO <sub>2</sub> e. The estimated emission reductions in the in the registered PDD for 365 days is 16,078 tCO <sub>2</sub> e. The current monitoring period contains 1654 days. This, the value is calculated based on pro-rata basis from the estimated value in the registered PDD. The estimated value for the present monitoring period is 72,858 tCO <sub>2</sub> e. The emission reduction value in the monitoring period is 28.56% lower as compared to the estimated values for the monitoring period. The calculation is checked by the assessment team in the actual emission reduction sheet and found correct.

#### E.8.6. Remarks on difference from estimated value in registered PDD

<b>Means of verification</b>	The verification team has determined the emission reductions achieved during this monitoring period with the estimated value and reason for increase if any.
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	The actual Emission Reduction (ER) value achieved in the monitoring period is 28.56% lower than the estimated emission reductions during the current monitoring period. Such variation has been due to lower electricity generation based on low wind availability. Hence accepted by verification team.

#### E.8.7. Actual GHG emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards

<b>Means of verification</b>	The verification team has determined the CER achieved during first commitment period and second commitment period
<b>Findings</b>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	<ol style="list-style-type: none"> <li>1.GHG emission reductions or net GHG removals by sinks reported up to 31 December 2012: 0 tCO<sub>2</sub>e</li> <li>2.GHG emission reductions or net GHG removals by sinks reported from 1 January 2013 onwards: 52,048 tCO<sub>2</sub>e</li> <li>3.GHG emission reductions or net GHG removals by sinks reported 1 January 2021: 0 tCO<sub>2</sub>e</li> </ol>

#### E.9. Assessment of reported sustainable development co-benefits

<b>Means of verification</b>	Not applicable for the present monitoring period
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<b>Findings</b>	Not applicable for the present monitoring period
<b>Conclusion</b>	Not applicable for the present monitoring period

**E.10. Global stakeholder consultation**

<b>Means of verification</b>	Not applicable for the present monitoring period
<b>Findings</b>	Not applicable for the present monitoring period
<b>Conclusion</b>	Not applicable for the present monitoring period

**SECTION F. Internal quality control**

As a final step for Verification, the final documentation, including the verification report, has to undergo an internal quality control by the Technical Reviewer(s) to be approved.

Details of the Technical Reviewer(s) are provided within the Verification Report in Section B.2. and Appendix 2 for further references of knowledge and capability to conduct the quality checking.

After the Technical Review process, the final documentation may undergo a final quality checking process called Administrative Review, done by the Applus+ Certification's Project Activity Manager and/or Technical Support.

For final approval, the final set of documents are prepared by the DOE's Technical Manager or its deputy and signed by the authorized signatory of the DOE.

In case any of the persons performing this final internal quality control approval process has acted as a part of the Assessment Team or Technical Review team, the approval can only be given by DOE's personnel who are not part of those teams.

If the final set of documents has been satisfactorily approved, the Request for issuance is submitted to the UNFCCC CDM EB along with the relevant documents.

**SECTION G. Verification opinion**

Applus+ Certification has been engaged by M/s ReXchange Global Solutions (P73) to perform the 1<sup>st</sup> periodical verification of the "Bundled Wind Power Project by EKI Energy Services Limited (EKIESL-CDM.January-14-04) (UNFCCC Ref. No. 10140).

The management of M/s ReXchange Global Solutions (P73) is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project's Monitoring Plan in the registered PDD version 04 dated 17/11/2014 and the applied methodology AMS-I.D: grid connected renewable electricity generation - version 17.

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. The verification can confirm that:

- the project is operated as planned and described in the project design document approved by the EB;
- the monitoring plan is as per the applied methodology;
- the monitoring in Monitoring Report is as per the PDD and the monitoring plan approved by the EB;
- the development and maintenance of records and reporting procedures are in accordance with the registered monitoring plan;
- the installed equipment being essential for generating emission reduction runs reliably, however, delay in calibration observed which is addressed in line with para 366 (a) of CDM validation and verification standard for project activities, version 02.0;
- the monitoring system is in place and generates GHG emission reductions data;
- the GHG emission reductions are calculated without material misstatements.

In our opinion, the GHG emission reductions for "Bundled Wind Power Project by EKI Energy Services Limited (EKIESL-CDM.January-14-04)" for the monitoring period 22/04/2016 to 31/10/2020; as reported in Monitoring Report, prepared on the basis of the project's Monitoring Plan are fairly stated.

Based on the information we have seen and evaluated, we confirm the following statement:

Reporting period: From 22/04/2016 to 31/10/2020;

Verified emissions in the above reporting period:

Leakage emissions

0 tCO<sub>2</sub> equivalents

Project emissions

0 tCO<sub>2</sub> equivalents

Baseline emissions

52,048 tCO<sub>2</sub> equivalents

Emission reductions

52,048 tCO<sub>2</sub> equivalents

## **SECTION H. Certification statement**

Same as above

## Appendix 1. Abbreviations

Abbreviations	Full texts
BM	Build Margin
CAR	Corrective Action Request
CER	Certified Emission Reduction(s)
CEA	Central Electricity Authority
CL	Clarification request
CM	Combined Margin
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent
DNA	Designated National Authority
DOE	Designated Operational Entity
DR	Document Review
EF	Emission Factor
ER	Emission Reductions sheet
FAR	Forward Action Request
JMR	Joint Meter reading
GHG	Greenhouse gas(es)
GWP	Global Warming potential
PP	Project Participant
PPA	Power purchase agreement
GETCL	Gujarat Energy Transmission Corporation Limited
MSEDCL	Maharashtra State Electricity Distribution Company Limited

## Appendix 2. Competence of team members and technical reviewers

1. **Dr. Atul Takarkhede**, counts with 10 years of experience in field of Environmental Auditing, consulting and accreditation. He is an Expert in ISO 9001-14001, CO2/GHG Reporting, Carbon Foot Print, Energy, Water and Waste Management Reporting for organizations environmental performance. His professional portfolio is mainly related with carrying out EIA, conducting QA/QC of EIA Reports; Conducting Environmental/water Audits; NABET requirements appliance. Furthermore, he counts with solid experience on CDM-VCS-GS consultancy and auditing. He has Ph.D. (Environmental Science) from Institute of Science, RTM Nagpur University, Nagpur, and he has already published different technical reports related to environmental science. Currently he is associated with True Quality Certifications Private Limited and is empanelled with APPLUS certification to carry out GHG audit
2. **Mr. Simon Shen** (Master's Degree in Thermal Energy Engineering, Bachelor's Degree in Environmental Engineering) is an Auditor appointed by Applus+ LGAI for the GHG project assessment, auditing and technical review. He has more than 6 years of work experience in CDM/GS4GG/VCS project assessment and review with Applus+, apart from the years of experience working as GHG Auditor and ISO 9001/14001 in TUV SUD for 3.5 years before he joined Applus+. Mr. Simon Shen has extensive experience also as former Applus+ Shanghai CDM Technical Manager.

### Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1.	NA	Commissioning certificates	Commissioning Certificates of the Wind Power Plant.	Project participant
2.	NA	Contract of the project participant with the DOE	Contract document signed between PP and DOE	Project participant
3.	NA	CDM PS and VVS-version 02.0	CDM validation and verification standard for project activities, Version 02.0 CDM project standard for project activities, Version 02.0	UNFCCC
4.	NA	Credit Notes/Certificate for Share of electricity generated (JMRs)	Joint Meter Reading (JMR) for the complete monitoring period issued by State Utility	Project participant
5.	NA	Invoices	Invoices for the complete monitoring period raised by PP towards State Utility	Project participant
6.	NA	MR version 01 MR version 02	MR version 01 dated 01/03/2021 (Initial) MR version 02 dated 18/06/2021 (Final)	Project participant
7.	NA	ER sheet version 01 ER sheet version 02	ER version 01 dated 01/03/2021 ER version 02 dated 18/06/2021	Project participant
8.	NA	Actual geo-coordinates	Actual coordinates for the project activity via GPS meters	Project participant
9.	NA	Break Down details of plant	Log book records onsite	Project participant
10.	NA	Application of materiality	Guidelines for Application of materiality in verifications version 2.0	UNFCCC
11.	NA	Registered documents of the project activity	Registered CDM PDD version 04 dated 17/11/2014	UNFCCC website
12.	NA	Approved methodology	AMS I.D: grid connected renewable electricity generation - version 17	UNFCCC
13.	NA	Calibration certificates	Calibration certificates of all meter associated with current monitoring period	PP

## Appendix 4. Clarification requests, corrective action requests and forward action requests

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

<b>FAR ID</b>	xx	<b>Section no.</b>	E.2	<b>Date:</b> DD/MM/YYYY
<b>Description of FAR</b>				
NA				
<b>Project participant response</b>				<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				<b>Date:</b> DD/MM/YYYY

Table 2. CL from this verification

<b>CL ID</b>	xx	<b>Section no.</b>		<b>Date:</b> DD/MM/YYYY
<b>Description of CL</b>				
NA				
<b>Project participant response</b>				<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				<b>Date:</b> DD/MM/YYYY

Table 3. CAR from this verification

<b>CAR ID</b>	01	<b>Section no.</b>	E 1	<b>Date:</b> 02/04/2021
<b>Description of CAR</b>				
<ol style="list-style-type: none"> <li>Monitoring report not clear about inclusion of first and last dates of monitoring period. Corrections requested.</li> <li>Monitoring report not applicable as only one MR submitted for the project. Corrections requested.</li> <li>Name of the PP is not consistent with the UN project webpage throughout MR. Corrections requested.</li> <li>Accuracy class of monitoring meters not consistent throughout MR. Corrections requested.</li> </ol>				
<b>Project participant response</b>				<b>Date:</b> 24/05/2021
<ol style="list-style-type: none"> <li>First date and last date of monitoring period has been mentioned in monitoring report.</li> <li>The MR is for first crediting period. So one MR has been submitted.</li> <li>Now name of PP has been made consistent with UN Project webpage.</li> <li>Now accuracy class of monitoring meters is consistent throughout MR.</li> </ol>				
<b>Documentation provided by project participant</b>				
Updated MR				
<b>DOE assessment</b>				<b>Date:</b> 05/06/2021
<ol style="list-style-type: none"> <li>PP has now added (inclusive of first and last date) on cover page of revised MR. Hence OK.</li> <li>PP confirmed that MR is for first crediting period, thus it is not applicable. Hence OK.</li> <li>Name of PP has been corrected throughout the MR by PP. Hence OK.</li> <li>PP has now corrected the accuracy of meter i.e. 0.2s in revised MR. Hence OK.</li> </ol> CAR closed.				

<b>CAR ID</b>	02	<b>Section no.</b>	E 1	<b>Date:</b> 02/04/2021
<b>Description of CAR</b>				
<p>During desk review, verification team found that PP has not submitted the supporting evidence of following documents:</p> <ol style="list-style-type: none"> <li>MoC (if change in PP)</li> <li>Power Purchase Agreement</li> <li>Commissioning Certificate of the project activity</li> </ol>				

<b>4. O&amp;M Agreements</b>																									
PP requested to submit the above documents to DOE for verification.																									
<b>Project participant response</b>	<b>Date:</b> 24/05/2021																								
1. MoC has been provided. 2. Power Purchase Agreement has been provided. 3. Commissioning Certificate has been provided. 4. O&M Agreement has been provided.																									
<b>Documentation provided by project participant</b>																									
MoC, Power Purchase Agreement, Commissioning Certificate, O&M Agreement																									
<b>DOE assessment</b>	<b>Date:</b> 05/06/2021																								
1. PP has submitted the MoC. Verification team confirms that there is no change in PP. M/s ReXchange Global Solutions (P73) is the PP. The same is confirmed after check UNFCCC web site. Hence OK. 2. PP has submitted the copies of PPAs for bundled project activity. The project owner Surbhi Textile Mills Pvt. Ltd and SJP Constructions Private Limited has signed power purchase agreement on dated:10/01/2014 and dated: 31/01/2014 respectively with Maharashtra State Electricity Distribution Company Limited. Hence OK. 3. PP has now submitted the commissioning certificates of all WTGs. Assessment team has checked the same with commissioning certificate and confirms that commissioning dates mentioned in revised MR is correct. The details are as follows:																									
<table border="1"> <thead> <tr> <th>WTG Owner</th> <th>Capacity (MW)</th> <th>WTG ID</th> <th>Commissioning Date</th> </tr> </thead> <tbody> <tr> <td>Surbhi Textile Mills Pvt. Ltd.</td> <td>2</td> <td>MV2T-18</td> <td>31/03/2014</td> </tr> <tr> <td>Surbhi Textile Mills Pvt. Ltd.</td> <td>2</td> <td>MV2T-61</td> <td>31/03/2014</td> </tr> <tr> <td>Surbhi Textile Mills Pvt. Ltd.</td> <td>0.8</td> <td>WWIL/800/13- 14/3420</td> <td>01/05/2014</td> </tr> <tr> <td>SJP Constructions Pvt. Ltd.</td> <td>2</td> <td>MV2-T-19</td> <td>30/03/2014</td> </tr> <tr> <td>SJP Constructions Pvt. Ltd.</td> <td>2</td> <td>MV2-T-20</td> <td>30/03/2014</td> </tr> </tbody> </table>		WTG Owner	Capacity (MW)	WTG ID	Commissioning Date	Surbhi Textile Mills Pvt. Ltd.	2	MV2T-18	31/03/2014	Surbhi Textile Mills Pvt. Ltd.	2	MV2T-61	31/03/2014	Surbhi Textile Mills Pvt. Ltd.	0.8	WWIL/800/13- 14/3420	01/05/2014	SJP Constructions Pvt. Ltd.	2	MV2-T-19	30/03/2014	SJP Constructions Pvt. Ltd.	2	MV2-T-20	30/03/2014
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Hence OK.																									
5. PP has also proved the O & M Agreement. O & O Agreement is signed with Wind World India Ltd and Inox Wind Infrastructure Services Limited. Hence Ok																									
<b>CAR Closed.</b>																									

<b>CAR ID</b>	03	<b>Section no.</b>	E 3	<b>Date:</b> 02/04/2021
<b>Description of CAR</b>				
Information on the implementation and actual operation of the project activity is missing in in Section B.1 of monitoring Report. Corrective action is sought.				
<b>Project participant response</b>				<b>Date:</b> 24/05/2021
Commissioning details has been provided in Section B.1 of MR				
<b>Documentation provided by project participant</b>				
Commissioning Certificate				
<b>DOE assessment</b>				<b>Date:</b> 05/06/2021
PP has now updated the information on the implementation and actual operation of the project activity in Section B.1 of revised MR. CAR closed.				

<b>CAR ID</b>	04	<b>Section no.</b>	E 6.2	<b>Date:</b> 02/04/2021
<b>Description of CAR</b>				
During onsite visit PP has not provided the monthly JMRs in support of electricity export, Import and invoices for cross check pertaining to current monitoring period. Further, PP have not submitted emission Reduction Calculations sheet. Thus, Emission Reductions can't be verified. Corrective action is sought.				
<b>Project participant response</b>				<b>Date:</b> 24/05/2021
JMR, Invoices ad ER Sheet have been provided.				
<b>Documentation provided by project participant</b>				
JMR, Invoices and ER Sheet				
<b>DOE assessment</b>				<b>Date:</b> 05/06/2021



PP has now submitted the copies of JMRs and invoices to the assessment team. Assessment team checked the same and confirms that the Exports and Import of electricity is correct. The net electricity exported to grid is calculated as a difference of electricity exported to the grid, electricity imported from the grid obtained from joint meter reading certificates/credit notes issued by MSEDCL as per below equation:

$$EG_{BL,y} = EG_{Export} - EG_{Import}$$

There was delay in calibration of meter. PP has applied maximum permissible error of 0.2% in total export and import of energy for this period which is the line of requirement of paragraph 366 of CDM VVS version 02.0. Thus, acceptable to DOE. CAR closed.

<b>CAR ID</b>	05	<b>Section no.</b>	E.7	<b>Date:</b> 02/04/2021
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**Description of CAR**

Information of monitoring equipments & calibration details in the MR are missing. Further, calibration certificate of meters is not submitted to DOE for verification. PP requested to submit calibration certificates covering complete monitoring period.

<b>Project participant response</b>	<b>Date:</b> 24/05/2021
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Now calibration details are given in MR. Also, calibration certificates have been provided.

**Documentation provided by project participant**

Calibration Certificate, Updated MR

<b>DOE assessment</b>	<b>Date:</b> 05/06/2021
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PP has now added the Information of monitoring equipments & calibration details in Annexure 1 of revised MR and also submitted the calibration certificate of meters. The details of meters including calibration date and validity of calibration are as follows:

Meter No	Meter Type	WTG ID	Calibration Date	Validity of Calibration	Calibration compliance
HT01140155	Main Meter	MV2T-18	16/07/2015	15/07/2016	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from July 2016 to September 2017, June 2019 to September 2019.
			20/09/2017	19/09/2018	
			27/06/2018	26/06/2019	
			20/09/2019	19/09/2020	
			20/08/2020	19/08/2021	
HT01140156	Check Meter	MV2T-18	16/07/2015	15/07/2016	
			20/09/2017	19/09/2018	
			27/06/2018	26/06/2019	
			20/09/2019	19/09/2020	
			20/08/2020	19/08/2021	
HT01140166	Main Meter	MV2T-61	20/09/2017	19/09/2018	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from April 2016 to September 2017, September 2018 to September 2019.
			20/09/2019	19/09/2020	
			20/08/2020	19/08/2021	
HT01140167	Check Meter	MV2T-61	20/09/2017	19/09/2018	
			27/06/2018	26/06/2019	
			20/09/2019	19/09/2020	
			20/08/2020	21/08/2021	
GJ-1934-A	Main Meter	WWIL/800/13-14/3420	27/12/2019	26/12/2020	No. PP has applied 0.2% maximum permissible error factor for delayed calibration period from April 2016 to December 2019
GJ-2360-A	Check Meter	WWIL/800/13-14/3420	27/12/2019	26/12/2020	

There are delayed in calibration of meters found. The error of meters was found within permissible limits. PP has allied 0.2% maximum permissible error for the delayed period as mentioned above which is the line of requirement of paragraph 366 of CDM VVS version 02.0. Thus, acceptable to DOE. Thus, CAR closed.

**Table 4. FAR from this verification**

<b>FAR ID</b>	xx	<b>Section No.</b>		<b>Date:</b> DD/MM/YYYY
<b>Description of FAR</b>				
NA				

<b>Project participant response</b>	<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by project participant</b>	
<b>DOE assessment</b>	<b>Date:</b> DD/MM/YYYY

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**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
04.0	6 April 2021	Revision to: <ul style="list-style-type: none"> <li>• Reflect the “Clarification: Regulatory requirements under temporary measures for post-2020 cases” (CDM-EB109-A01-CLAR).</li> </ul>
03.0	31 May 2019	Revision to: <ul style="list-style-type: none"> <li>• Ensure consistency with version 02.0 of the “CDM validation and verification standard for project activities” (CDM-EB93-A05-STAN);</li> <li>• Make structural and editorial improvements.</li> </ul>
02.1	11 January 2018	Editorial revision to correct the numbering of appendices in the instructions.
02.0	31 October 2017	Revision to align with the requirements of the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Issuance Keywords: project activities, verifying and certifying		