

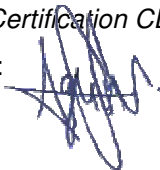


**Verification and certification report form for  
CDM project activities  
(Version 04.0)**

*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>	Jangi 91.8 MW wind farm in Gujarat (UNFCCC Ref. No. 6702)		
<b>Scale of the project activity</b>	<input checked="" type="checkbox"/> Large-scale <input type="checkbox"/> Small-scale		
<b>Version number of the verification and certification report</b>	03		
<b>Completion date of the verification and certification report</b>	24/09/2021		
<b>Monitoring period number and duration of this monitoring period</b>	03 01/05/2016 – 31/05/2018 (including first and last dates)		
<b>Version number of the monitoring report to which this report applies</b>	03		
<b>Crediting period of the project activity corresponding to this monitoring period</b>	01/11/2012 -31/10/2022(Fixed)		
<b>Project participants</b>	GP Wind (Jangi) Private Limited		
<b>Host Party</b>	India		
<b>Applied methodologies and standardized baselines</b>	ACM0002 - Consolidated baseline methodology for grid-connected electricity generation from renewable sources (Version 12.3.0) 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>	530,671 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>	441,053 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

GP Wind (Jangi) Private Limited has commissioned LGAI Technological Center, S.A. (Applus+ Certification) to perform 3<sup>rd</sup> periodic verification of the “Jangi 91.8 MW wind farm in Gujarat”. The project activity located in Jangi town, Kutch district of Gujarat state, India. The total installed capacity of the project is 91.8 MW (51 X 1.8 MW).

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).

During the reported monitoring period 01/05/2016 to 31/05/2018(first and last date included) the project activity has supplied 464,707.067 MWh of electricity, and thus contributing to the GHG reductions of 441,053 tCO<sub>2e</sub>.

**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, 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:**

LGA 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
Mr Jitendra Mohan Singh <sup>1</sup>	LA/TE	YES	YES	NA
Mr. Sukanta Das <sup>2</sup>	LA/TE	YES	YES	NA
Mr. Denny Xue	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.

<sup>1</sup> LA/TE since 10/06/2021. The changes have been communicated accordingly to the PP(s)/client(s) in accordance with the DOE's procedures.

<sup>2</sup> Mr. Sukanta Das was LA/TE till 09/06/2021. The changes have been communicated accordingly to the PP(s)/client(s) in accordance with the DOE's procedures

## 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:

- 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.

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	Singh <sup>3</sup>	Jitendra Mohan	True Quality Certifications Private Limited-Outsourced entity	Yes	No	No	Yes
2.	Lead Auditor/Technical Expert	OR	Das <sup>4</sup>	Sukanta	True Quality Certifications Private Limited-Outsourced entity	Yes	Yes	Yes	Yes

<sup>3</sup> LA/TE since 10/06/2021. The changes have been communicated accordingly to the PP(s)/client(s) in accordance with the DOE's procedures

<sup>4</sup> Mr. Sukanta Das was LA/TE till 10/06/2021. The changes have been communicated accordingly to the PP(s)/client(s) in accordance with the DOE's procedures

**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	Xue	Denny	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 of emission reduction	LOW	Use of spreadsheets without adequate data control, changes/updates, version tracking, traceability and security	All the JMRs (Monthly meter 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.

**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: 02/06/2021				
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>	Kutch District, Gujarat, India	02/06/2021	Sukanta Das <sup>5</sup>

**D.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Rajan	Mr. Srinivasan Sundar	Director	02/06/2021	As mentioned above in section D.2 of this report	Sukanta Das <sup>6</sup>
2.	Bambhava	Lakhan	Site In charge	02/06/2021	As mentioned above in section D.2 of this report	
3..	Sharma	Barun	Consultant, EKI Energy Service Ltd.	02/06/2021	As mentioned above in section D.2 of this report	
2.	Ghose	Bibhushita	Consultant, EKI Energy Service Ltd.	02/06/2021	As mentioned above in section D.2 of this report	

**D.4. Sampling approach**

<sup>5</sup> OSV was done by Mr. Sukanta Das prior to change of LA/TE. New LA/TE was not part of on-site inspection

<sup>6</sup> OSV was done by Mr. Sukanta Das prior to change of LA/TE. New LA/TE was not part of on-site inspection



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	01	00
Compliance of the project implementation and operation with the registered PDD	00	02	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	01	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>06</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 was 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 08.0 of the MR form which is currently active version available 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 01/05/2016 to 31/05/2018;(both the days included) publicly available through its dedicated interface on the UNFCCC CDM website on 22/04/2021 <sup>7</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 3<sup>rd</sup> periodic verification of the project activity. No FAR was raised during the validation and previous verification which is in the progress.

### 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
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<sup>7</sup> [https://cdm.unfccc.int/Issuance/MonitoringReports/mr\\_for\\_date.html?date=2021/04/22](https://cdm.unfccc.int/Issuance/MonitoringReports/mr_for_date.html?date=2021/04/22)

	registered PDD.																																																																																																																				
Findings	CAR 02 and CAR 03 were raised during the verification process and closed successfully. Please refer Appendix 4 for the complete closure of the CAR.																																																																																																																				
Conclusion	<p>The verification team has reviewed the commissioning certificates to conclude that 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 &amp; 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.</p> <p>The project is located in Jangi town, Kutch District, Gujarat, India. The project site is about 20km South East from Samakhiyali town. The project activity is located between Latitudes 23°15'02.0" and 23°11'22.0" North and between Longitudes 70°30'12.0" and 70°38'26.0" East. Geo coordinate of all WTGs are provided In Section A.2 of the revised monitoring report.</p> <p>Assessment team has checked the latitude and longitude of site location and WTGs location 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.</p> <p>Commissioning dates, feeder wise connection of WTGs is verified with the commissioning certificate and found correct. The same is given below:</p> <table><tr><th>Sl. No.</th><th>WTG Location No.</th><th>WTG ID</th><th>Date of Commissioning</th></tr><tr><td>1</td><td>VW08</td><td>VWT/1800/11-12/2233</td><td>31/08/2011</td></tr><tr><td>2</td><td>VW44</td><td>VWT/1800/11-12/2234</td><td>31/08/2011</td></tr><tr><td>3</td><td>VW57</td><td>VWT/1800/11-12/2235</td><td>01/10/2011</td></tr><tr><td>4</td><td>JW03</td><td>VWT/1800/11-12/2236</td><td>31/08/2011</td></tr><tr><td>5</td><td>JW06</td><td>VWT/1800/11-12/2237</td><td>31/08/2011</td></tr><tr><td>6</td><td>JW07</td><td>VWT/1800/11-12/2238</td><td>31/08/2011</td></tr><tr><td>7</td><td>JW16</td><td>VWT/1800/11-12/2239</td><td>18/11/2011</td></tr><tr><td>8</td><td>JW17</td><td>VWT/1800/11-12/2240</td><td>19/11/2011</td></tr><tr><td>9</td><td>JW18</td><td>VWT/1800/11-12/2241</td><td>19/11/2011</td></tr><tr><td>10</td><td>JW19</td><td>VWT/1800/11-12/2242</td><td>19/11/2011</td></tr><tr><td>11</td><td>JW20</td><td>VWT/1800/11-12/2243</td><td>19/11/2011</td></tr><tr><td>12</td><td>JW22</td><td>VWT/1800/11-12/2244</td><td>18/11/2011</td></tr><tr><td>13</td><td>JW26</td><td>VWT/1800/11-12/2245</td><td>31/08/2011</td></tr><tr><td>14</td><td>JW28</td><td>VWT/1800/11-12/2246</td><td>31/08/2011</td></tr><tr><td>15</td><td>JW32</td><td>VWT/1800/11-12/2247</td><td>23/12/2011</td></tr><tr><td>16</td><td>VW59</td><td>VWT/1800/11-12/2248</td><td>23/12/2011</td></tr><tr><td>17</td><td>VW61</td><td>VWT/1800/11-12/2249</td><td>31/08/2011</td></tr><tr><td>18</td><td>VW70</td><td>VWT/1800/11-12/2250</td><td>23/12/2011</td></tr><tr><td>19</td><td>JW24</td><td>VWT/1800/11-12/2251</td><td>30/09/2011</td></tr><tr><td>20</td><td>JW31</td><td>VWT/1800/11-12/2252</td><td>31/08/2011</td></tr><tr><td>21</td><td>JW33</td><td>VWT/1800/11-12/2253</td><td>03/09/2011</td></tr><tr><td>22</td><td>JW34</td><td>VWT/1800/11-12/2254</td><td>03/09/2011</td></tr><tr><td>23</td><td>JW35</td><td>VWT/1800/11-12/2255</td><td>01/10/2011</td></tr><tr><td>24</td><td>JW36</td><td>VWT/1800/11-12/2256</td><td>29/09/2011</td></tr><tr><td>25</td><td>JW37</td><td>VWT/1800/11-12/2257</td><td>23/11/2011</td></tr><tr><td>26</td><td>JW39</td><td>VWT/1800/11-12/2258</td><td>20/10/2011</td></tr><tr><td>27</td><td>JW40</td><td>VWT/1800/11-12/2259</td><td>29/09/2011</td></tr><tr><td>28</td><td>JW41</td><td>VWT/1800/11-12/2260</td><td>20/10/2011</td></tr></table>	Sl. 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10	JW19	VWT/1800/11-12/2242	19/11/2011																																																																																																																		
11	JW20	VWT/1800/11-12/2243	19/11/2011																																																																																																																		
12	JW22	VWT/1800/11-12/2244	18/11/2011																																																																																																																		
13	JW26	VWT/1800/11-12/2245	31/08/2011																																																																																																																		
14	JW28	VWT/1800/11-12/2246	31/08/2011																																																																																																																		
15	JW32	VWT/1800/11-12/2247	23/12/2011																																																																																																																		
16	VW59	VWT/1800/11-12/2248	23/12/2011																																																																																																																		
17	VW61	VWT/1800/11-12/2249	31/08/2011																																																																																																																		
18	VW70	VWT/1800/11-12/2250	23/12/2011																																																																																																																		
19	JW24	VWT/1800/11-12/2251	30/09/2011																																																																																																																		
20	JW31	VWT/1800/11-12/2252	31/08/2011																																																																																																																		
21	JW33	VWT/1800/11-12/2253	03/09/2011																																																																																																																		
22	JW34	VWT/1800/11-12/2254	03/09/2011																																																																																																																		
23	JW35	VWT/1800/11-12/2255	01/10/2011																																																																																																																		
24	JW36	VWT/1800/11-12/2256	29/09/2011																																																																																																																		
25	JW37	VWT/1800/11-12/2257	23/11/2011																																																																																																																		
26	JW39	VWT/1800/11-12/2258	20/10/2011																																																																																																																		
27	JW40	VWT/1800/11-12/2259	29/09/2011																																																																																																																		
28	JW41	VWT/1800/11-12/2260	20/10/2011																																																																																																																		

29	JW42	VWT/1800-11-12/2261	20/12/2011
30	JW43	VWT/1800/11-12/2262	30/09/2011
31	JW44	VWT/1800/11-12/2263	30/11/2011
32	JW45	VWT/1800/11-12/2264	23/11/2011
33	JW46	VWT/1800/11-12/2265	24/10/2011
34	JW47	VWT/1800/11-12/2266	24/10/2011
35	JW48	VWT/1800/11-12/2267	30/11/2011
36	JW49	VWT/1800/11-12/2268	24/10/2011
37	JW50	VWT/1800/11-12/2269	13/12/2011
38	JW51	VWT/1800/11-12/2270	13/12/2011
39	JW52	VWT/1800/11-12/2271	23/12/2011
40	JW53	VWT/1800/11-12/2272	21/12/2011
41	JW54	VWT/1800/11-12/2273	13/12/2011
42	JW55	VWT/1800/11-12/2274	20/12/2011
43	JW56	VWT/1800/11-12/2275	17/12/2011
44	JW57	VWT/1800/11-12/2276	20/12/2011
45	JW58	VWT/1800/11-12/2277	20/12/2011
46	JW59	VWT/1800/11-12/2278	17/12/2011
47	JW60	VWT/1800/11-12/2279	20/12/2011
48	JW61	VWT/1800/11-12/2280	20/12/2011
49	JW62	VWT/1800/11-12/2281	20/12/2011
50	JW63	VWT/1800/11-12/2282	12/11/2011
51	JW64	VWT/1800/11-12/2283	23/11/2011

The assessment team checked the above details during the verification site visit & review of commissioning certificates and found correct.

The total installed capacity of the project activity is 91.8 MW consisting of 51 WTG 1.8 MW each of V 100 class 3 turbines manufactured by Vestas Denmark. Assessment team checked the technical specification of the power plant with the manufactures catalogue during the onsite visit and found consistent. The technical details of WTGs have been checked from the catalogue provided by manufacturer and during the physical visit. The detail as mentioned in the revised monitoring report is correct. Technical specification of installed WTGs are as follows:

Type	V100
Manufacturer	Vestas
Capacity	1.8 MW
<b>Rotor</b>	
Diameter	100 m
Swept Area	7850 m <sup>2</sup>
Rotational Speed Static, Rotor	14.9 rpm
Speed, Dynamic Operation Range	9.3 – 16.6 rpm
Rotational Direction	Clockwise(front view)
Orientation	Upwind
Tilt	6°
Hub Coning	2°
Number of Blades	3
Aerodynamic Brakes	Full feathering
<b>PP Blades</b>	
Type Description	Airfoil shells bonded to supporting beam
Blade Length	49 m
Material	Fibre glass reinforced epoxy and carbon fibres
Blade Connection	Steel roots inserted
Air Foils	RISØ P + FFA – W3
Chord	3.9 m
Blade Root Outer Diameter	1.88 m
PCD of Steel Root Inserts	1.80 m
R49	0.54 m

	Twist(Blade root/blade tip)	245 <sup>0</sup> /-0.5 <sup>0</sup>
	Approximate Weight	7500 kg
	<b>Blade Bearing</b>	
	Type	2 row 4-point contact ball bearing
	Lubrication	Grease lubrication, automatic lubrication pump
	<b>Pitch System</b>	
	Type	Hydraulic
	Cylinder	Ø125/80 – 760
	Number	1 pcs./blade
	Range	-5 <sup>0</sup> to 90 <sup>0</sup>
	<b>Hydraulic System</b>	
	Pump Capacity	50 l/min
	Working Pressure	200-230 bar
	Oil Quantity	260 l
	Motor	20 kW
	<b>Gearbox</b>	
	Type	1 planetary stage + 2 helical stages
	Ratio	1:113 nominal
	Cooling	Oil pump with oil cooler
	Oil heater	2 kW
	Max Gear Oil Temp	80 <sup>0</sup> C
	Oil Cleanliness	-/15/12 ISO 4406
	<b>Tower Structure</b>	
	Type Description	Conical tubular
	Hub Heights(HH)	80m/95m
	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>8</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 start date of crediting period was changed from 01/06/2013 (01/06/2013 – 31/05/2023) to 01/11/2012 (01/11/2012- 31/10/2022). The same was verified from the UNFCCC web site<sup>9</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.

<sup>8</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>9</sup> <https://cdm.unfccc.int/Projects/DB/RWTUV1342443620.03/view>

**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 ACM0002-Consolidated baseline and monitoring methodology for grid connected electricity generation from renewable sources (Version 12.3.0) including applicable tools.
<b>Findings</b>	There is no CAR/CL raised in this section.
<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. ACM0002-Consolidated baseline and monitoring methodology for grid connected electricity generation from renewable sources (Version 12.3.0) 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>	There is no CAR/CL raised in this section.
<b>Conclusion</b>	<p><b>EF<sub>grid,CM</sub></b> was 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 similar approach was considered for the current monitoring period also.</p> <p><b>The values of EF<sub>grid,CM</sub></b> was from the CEA CO<sub>2</sub> baseline database (Version 06) 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 <b>EF<sub>grid,CM,y</sub></b> is calculated the weights for OM and BM are 0.75 and 0.25 respectively: <math>0.75 \times 0.9947 + 0.25 \times 0.8123</math>. i.e. 0.9491 tCO<sub>2</sub>/MWh</p> <p>The default value in turn is used for baseline calculation as per the formula given in the registered PDD for the current monitoring period.</p> <p>OM = 0.9947 tCO<sub>2</sub>e/MWh (Confirmed and checked as per the registered CDM PDD)</p> <p>BM = 0.8123 tCO<sub>2</sub>e/MWh (Confirmed and checked as per the registered CDM PDD)</p> <p>EF<sub>grid,CM</sub> = 0.9491 tCO<sub>2</sub>e/MWh (Confirmed and checked as per the registered CDM PDD).</p>

**E.6.2. Data and parameters monitored**

<b>Means of verification</b>	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. ACM0002-Consolidated baseline and monitoring methodology for grid connected electricity generation from renewable sources (Version 12.3.0) which was the applied methodology during the registration of the project is also checked to ensure that monitoring parameters as mentioned in the registered PDD and current MR are in compliance with the methodology.
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<b>Findings</b>	CAR 04 was raised during the verification process and closed successfully. Please refer Appendix 4 for the complete closure of the CAR.
<b>Conclusion</b>	<p>As per the registered PDD version 03, only <math>EG_{\text{facility},y}</math> (Net electricity supplied by the project activity to the grid in year y (MWh).</p> <p>This parameter is monitored using bidirectional tri-vector main meter and check meter installed at 33kV/220 kV Wandhiya substation and 51 WTG turbine meters. The export and import value both for substation and Individual WTG meter. Export and import value is recorded by representative of GETCO and PP every month of the billing period. Export and Import value for both substation meter and WTG meters is then used by GETCO official to calculate the Net electricity exported to the grid by the project activity, thereafter the net value is shared in the form of Share certificate to individual project owner. PP has no role in the calculation of net electricity supplied to the grid. This share Certificate contains only net electricity supplied to the grid and PP has used the same for emission reductions calculation. Assessment team checked the monitoring arrangement during the onsite visit and confirms that PP has followed monitoring practice as per monitoring plan in registered PDD.. The accuracy class of meters as per registered PDD is 0.5s or better accuracy. The details of meter including make, accuracy, calibration date, validity of calibration provided in in <b>Appendix 5</b> of this report. PP has sourced the net electricity supplied by the project activity to grid is directly from Certificate for Share of electricity generated by wind farm (JMRs) which has been prepared based on recorded data from substation meter. The total net electricity exported by the project activity to grid is 464,956.632 MWh during this monitoring period. DOE has checked the monitoring arrangement during onsite visit and confirms that monitoring of parameter in the registered PDD has been implemented in accordance with the registered monitoring plan which in in compliance with paragraph 360 of VVS for PA version 02.0).</p> <p>The Assessment team checked the monthly share certificate/JMRs issued by the state electricity board. Assessment team also cross-verified the net electricity exported to grid values with invoices raised by PP and found correct. Meters located at the substation are calibrated as per calibration frequency mentioned in monitoring plan of registered PDD i.e. every 3 years (minimum). However, WTG meter are found delayed calibration in November 2017 and December 2017. The results of delayed calibration are within permissible limit of accuracy class. PP has applied 0.4% error factor (double) instead of 0.2% in net electricity exported to grid for the delayed calibration period to maintain conservativeness. In the project case, only net export to the grid is single parameter in line with applied methodology &amp; data made available by state utility. Further, observed error is found less than the maximum permissible error of 0.5%, thus applying 1.0% error factor (considering double error as only net export available with PP) is conservative and acceptable to DOE..</p> <p>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.1 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.</p>

### 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 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 all the documents have been checked and thus DOE has not applied any sampling to the project activity for verification purposes.
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## E.7. Compliance with the calibration frequency requirements for measuring instruments

<b>Means of verification</b>	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.
<b>Findings</b>	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.
<b>Conclusion</b>	<p>Metering arrangement is bi-directional tri-vector L &amp; T make main meter and check meter of accuracy 0.2s at substation of state electricity board and 51 Turbine meter secure make installed at each individual WTG with accuracy of 0.5s at sites. The billing/invoice of net electricity exported to grid has been done by the data recorded from meter located at substation. The meter details and their calibration are provided in <b>Appendix 5</b> of this report.</p> <p>Assessment team checked calibration certificates of electricity meter and found that meters located at the substation are calibrated as per calibration frequency mentioned in monitoring plan of registered PDD i.e. minimum once in 3 year, which is used by state electricity board to prepare "certificate for share of electricity generated by wind farm". However, Meters installed with 51 WTG meter of accuracy class 0.5% are found delayed calibration November 2017 and December 2017. PP has applied 1.0% error factor (double) instead of 0.5% in net electricity exported to grid for the delayed calibration period to maintain conservativeness. In the project case, only net export to the grid is single parameter in line with applied methodology &amp; data made available by state utility. Further, observed error is found less than the maximum permissible error of 0.5%, thus applying 1.0% error factor (considering double error as only net export available with PP) is conservative and acceptable to DOE.</p> <p>There is no delayed calibration observed in meters located at substation. However, WTG meters has been identified as delayed calibration in November 2017 and December 2017. Hence, PP has applied 1.0% error factor (considering double error as only net export available with PP) in net electricity supplied to grid for calculation of emission reductions. On-site visit and interview with O&amp;M personnel Assessment team checked the calibration details of the installed meters and found also conforms the same.</p>

## 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>	CAR 06 was raised during the verification process and closed successfully. Please refer Appendix 4 of this report for the detail closure of the CAR.
<b>Conclusion</b>	<p>As per the approved methodology ACM0002 – Consolidated baseline methodology for grid-connected electricity generation from renewable sources", Version 12.3.0 baseline emissions for the project activity are the product of electrical energy baseline <math>EG_{\text{facility},y}</math> expressed in MWh of electricity produced by the renewable energy generating unit multiplied by the grid emission factor.</p> $BE_y = EG_{\text{facility},y} \times EF_{\text{grid,CM}}$ <p>Where;  <math>BE_y</math> = Baseline Emissions in tCO<sub>2</sub>e  <math>EG_{\text{facility},y}</math> = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y = Net electricity supplied by the project plant to the grid in year y (MWh)</p>

	$EF_{grid,CM}$ = Combined margin CO <sub>2</sub> emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO <sub>2</sub> /MWh) Therefore, $BE_y = 464,707.067 \text{ MWh} \times 0.9491 \text{ tCO}_2/\text{MWh}$ $= 441,053 \text{ tCO}_2$ (Round down)
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#### 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>	There is no CAR/CL raised in this section.
<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, 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>  AS per applied methodology, Project emissions and Leakage are zero. Thus the total emission reduction achieved during this monitoring period is 441,053 tCO<sub>2</sub></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 this monitoring period is 441,053 tCO <sub>2</sub> e. The estimated emission reductions in the registered PDD for 365 days is 254,527 tCO <sub>2</sub> e. The current monitoring period contains 761 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 530,871 tCO <sub>2</sub> e. The emission reduction value in the monitoring period is 16.89% 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 16.89% 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>	1.GHG emission reductions or net GHG removals by sinks reported up to 31 December 2012: 0 tCO <sub>2</sub> e 2.GHG emission reductions or net GHG removals by sinks reported from 1 January 2013 onwards: 441,053 tCO <sub>2</sub> e 3.GHG emission reductions or net GHG removals by sinks reported 1 January 2021: 0 tCO <sub>2</sub> e

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

<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

**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 GP Wind (Jangi) Private Limited to perform the 3<sup>rd</sup> periodical verification of the "Jangi 91.8 MW wind farm in Gujarat" (UNFCCC Ref. No. 6702).

The management of "GP Wind (Jangi) Private Limited" is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project's Monitoring Plan in the revised PDD version 03 dated 11/10/2012 and the applied methodology ACM0002 – Consolidated baseline methodology for grid-connected electricity generation from renewable sources" (Version 12.3.0).

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. 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 "Jangi 91.8 MW wind farm in Gujarat" for the monitoring period 01/05/2016 to 31/05/2018; 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 01/05/2016 to 31/05/2018;

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

441,053 tCO<sub>2</sub> equivalents

Emission reductions

441,053 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

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

1. **Jitendra Mohan Singh** has done Advanced MSc in Sustainable Energy Systems and Management from International Institute of Management, University of Flensburg, Germany and B.Tech. in Agricultural Engineering from Allahabad University, India. He has more than (18) years of working experience in different organizations like IARI, IIT Delhi, ICAR, IRADe, CAPART, SMEC and Perenia Carbon and M B Power (Madhya Pradesh) Ltd. in the area of Agriculture, Energy & Environment and Climate Change. He also worked on contract basis (adhoc) as a RIT expert in UNFCCC from 2010 to 2013. Currently, he is empanelled with Applus+ Certification since 2020 and has been involved Verifications of PAs as Lead Auditor and Technical Expert for Renewable and non-Renewable as well as Energy Demand.
2. **Sukanta Das**, has done M. SC in Electronics and Photonics and M. Tech in Energy technology from Tezpur Central University and Indian Institute of Technology in Bombay respectively. He is a Certified Lead Auditor for ISO 14001 EMS and ISO 9001 QMS (2008 and 2015) from International Registry for Certified Auditors (IRCA) and Certified Lean Management practitioner from Quality Council of India (QCI). He has more than 12 years of working experience at TUV Nord/Re-consult/CRA and Applus+ Certification under various categories of projects and programmes starting from Renewable to waste and supercritical GHG mitigation projects. He also worked in various Carbon foot-printing projects as well. He is empanelled with Applus+ Certification since 2015 and has been involved in more than 300 Validations and Verifications of PAs and PoAs as Lead Auditor, Technical Expert and Technical Reviewer for Renewable and non-Renewable as well as Energy Demand and Waste Management projects and programmes, and has participated in several waste management projects as Team Leader. Moreover, he also has audit experience of Warehouse Physical and Safety audits, Vendor audits among otherst.
3. **Denny Xue** has a Bachelor's Degree on Thermal Energy Engineering and Master's Degree on Environmental Engineering. He has more than 10 years of experience on CDM project development. Before he joined Applus+ LGAI, he has been worked for Shanghai Chuanji Investment and Management which is a CDM consultancy company as a project manager for CDM project development. He is working with Applus+ since 2011 carrying out Validation and verification for CDM/GS/VCS project under scope 1 and 13 as auditor, lead auditor, technical expert and technical reviewer.

### 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	Certificate for share of electricity generated by wind farm(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 03	MR version 01 dated 20/04/2021(Initial) MR version 02 dated:14/07/2021(Final)  MR Version 03 dated:22/09/2021 (Revised as per incompleteness response)	Project participant
7.	NA	ER sheet version 01 ER sheet version 02  ER sheet Version 03	ER version 01 dated 20/04/2021 ER version 02 dated: 14/07/2021  ER sheet version 02 dated: 22/09/2021 (Revised as per incompleteness response)	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 03 dated 11/10/2012	UNFCCC website
12.	NA	Approved methodology	ACM0002 – Consolidated baseline methodology for grid-connected electricity generation from renewable sources, Version 12.3.0	UNFCCC
13.	NA	Calibration certificates	Calibration certificates of all meter associated with current monitoring period	PP
14.	NA	Meter Changed Report	Meter changes report	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>	-	<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> 21/06/2021
<b>Description of CAR</b>				
<i>Monitoring report number for this monitoring period is mentioned as 1. However, only one MR was web hosted within monitoring period. Corrective action is sought.</i>				
<b>Project participant response</b>				<b>Date:</b> 14/07/2021
Correction has been made on Monitoring Report number				
<b>Documentation provided by project participant</b>				
Updated Monitoring Report				
<b>DOE assessment</b>				<b>Date:</b> 16/07/2021
PP has made correction in revised MR. <b>CAR is closed.</b>				

<b>CAR ID</b>	02	<b>Section no.</b>	E 3	<b>Date:</b> 21/06/2021
<b>Description of CAR</b>				
<i>During desk review, assessment team found that PP has not submitted the supporting evidence of following documents:</i>				
<ol style="list-style-type: none"> <li>1. Power Purchase Agreement signed with the state utility</li> <li>2. Commissioning Certificates of WTGs</li> <li>3. O&amp;M Agreement signed with service provider</li> </ol> <i>PP requested to submit the above supporting documents to DOE for verification.</i>				
<b>Project participant response</b>				<b>Date:</b> 14/07/2021
<i>Power Purchase Agreement, Commissioning Certificate of WTGs and O&amp;M Agreement has been provided to DOE</i>				
<b>Documentation provided by project participant</b>				
<i>Power Purchase Agreement, Commissioning Certificate and O&amp;M Agreement.</i>				

<b>DOE assessment</b>	<b>Date:</b> 16/07/2021
<p>1. PP has now submitted Power Purchase Agreement signed with the Gujarat Urja Vikas Nigam Limited (GUVNL) on 26/08/2011.</p> <p>2. PP has also submitted the commissioning certificate of the PA. Assessment Team checked the same and confirms that the 1<sup>st</sup> WTG was put into operation on 31/08/2011 and the project has been fully operational from 23/12/2011.</p> <p>3. O &amp; M agreement is now submitted to assessment team. O &amp; M agreement is signed with Vetsas Wind Technology India Private Limited and Vesta is responsible for entire operation including metering of the project activity on behalf of PP.</p> <p><b>CAR is closed</b></p>	

<b>CAR ID</b>	03	<b>Section no.</b>	E 3	<b>Date:</b> 21/06/2021
<b>Description of CAR</b>				
<i>Breakdowns details are not mentioned in MR. Further, PP is requested to submit the breakdown/Plant log book to assessment team for verification.</i>				
<b>Project participant response</b>				<b>Date:</b> 14/07/2021
<i>Breakdown details has been provided in updated MR. Also the breakdown details has been submitted to assessment team.</i>				
<b>Documentation provided by project participant</b>				
<i>Updated Monitoring Report, Breakdown Details</i>				
<b>DOE assessment</b>				<b>Date:</b> 16/07/2021
<p>Break Down/Plant log book is now submitted by PP to assessment team and also included break down in in Annexure II of revised monitoring report. Verification team confirms that no major breakdown was found. Scheduled &amp; 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.</p> <p><b>CAR is closed.</b></p>				

<b>CAR ID</b>	04	<b>Section no.</b>	E 6.2	<b>Date:</b> 21/06/2021
<b>Description of CAR</b>				
<i>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. PP requested to submit the same.</i>				
<b>Project participant response</b>				<b>Date:</b> 14/07/2021
Monthly JMR and invoices have been submitted to assessment team.				
<b>Documentation provided by project participant</b>				
Monthly JMR and invoices				
<b>DOE assessment</b>				<b>Date:</b> 16/07/2021
<p>PP has submitted the Certificate for Share of Electricity generated by wind farm (JMRs) which contains only net electricity supplied to grid and Invoice for complete months to the assessment team. Assessment team checked net electricity export data in provided in ER sheet with the JMRs and found correct. The same is also cross checked with Invoices and found consistent.</p> <p><b>CAR is closed.</b></p>				

<b>CAR ID</b>	05	<b>Section no.</b>	E.7	<b>Date:</b> 21/06/2021
<b>Description of CAR</b>				
<i>Information of monitoring equipments such as serial number, make, accuracy class, calibration date and validity of calibration are not mentioned in monitoring report. Further, calibration certificate of meters is not submitted to DOE for verification. Corrective action is sought.</i>				
<b>Project participant response</b>				<b>Date:</b> 14/07/2021
Meter details and meter calibration details have been provided in MR. Also the calibration certificates have been submitted to DOE.				
<b>Documentation provided by project participant</b>				
Calibration Certificates, Updated MR				
<b>DOE assessment</b>				<b>Date:</b> 16/07/2021



PP has now included the details of monitoring equipment's (Meters) in Annexure 1 of revised monitoring report. Meters are installed with each WTG and at substation. PP has sourced Net electricity supplied to grid directly from the share certificate is used for billing as well as for emission reductions calculation. Meters installed at substation are calibrated as per calibration frequency i.e. minimum in 3 years mentioned in monitoring plan of registered PDD. However, calibration delayed is found in 51 WTG meter. Observed error in 51 WTG meters are found less than the maximum permissible error of 0.5%, thus applying 1.0% error factor (considering double error as only net export available with PP) is conservative and acceptable to DOE. Thus **CAR is closed.**

<b>CAR ID</b>	06	<b>Section no.</b>	E.8	<b>Date :</b> 21/06/2021
<b>Description of CAR</b>				
<ul style="list-style-type: none"> <li>PP has not provided the spreadsheets containing emission reductions calculation to DOE for verification of emission reductions claimed during the current monitoring period.</li> <li>ER sheet is not submitted to the DOE and hence the Emission Reductions value is thus reserved. Moreover, cross check mechanism cannot be confirmed as the Emission reduction sheet is not submitted.</li> <li>Estimated emission reduction calculation for the current monitoring period cannot be confirmed as the ER sheet is not provided.</li> </ul>				
<b>Project participant response</b>				<b>Date :</b> 14/07/2021
ER Sheet has been provided to DOE for verification of emission reductions claimed during the current monitoring period. Also estimated emission reduction calculation has been provided in ER Sheet.				
<b>Documentation provided by project participant</b>				
ER Sheet				
<b>DOE assessment</b>				<b>Date:</b> 16/07/2021
<ul style="list-style-type: none"> <li>ER sheet has been submitted to the assessment team. Calculation of achieved Emission reduction found in line with the registered PDD and also conservative.</li> <li>Assessment team has cross checked the monthly electricity generation records mentioned in the ER sheet with the invoices. Team found no discrepancies.</li> <li>Estimated Emission reduction for the current monitoring period has been correctly calculated in ER sheet and same has been mentioned in Revised MR.</li> </ul>				
<b>CAR is closed.</b>				

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

## Appendix 5. Calibration details of Meters

Substation Meter details:

Meter No.	Make	Accuracy Class	Date of Calibration	Validity of Calibration
GJ-2311-A (Main Meter)	L&T	0.2	14/07/2015	13/07/2018
GJ-2363-A(Main Meter)	L&T	0.2	13/07/2015	12/07/2018
GJB01664 (Check Meter)	Secure	0.2	02/02/2019	01/02/2022
GJB01665 (Check Meter)	Secure	0.2	02/02/2019	01/02/2022

WTG main meter details:

WTG ID	Meter No.	Accuracy	Make	Calibration Date	Validity of Calibration	Calibration Date	Validity of Calibration <sup>10</sup>	Delayed calibration
JW03	GJU61840	0.5	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW06	GJU61843	0.5	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW07	GJU61842	0.5	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW17	GJU63766	0.5	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW18	GJU64195	0.5	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW19	GJU63770	0.5	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW20	GJU63769	0.5	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW21	GJU63767	0.5	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW22	GJU63768	0.5	Secure	04/12/2014	03/12/2017	18/12/2017	17/12/2020	03/12/2017 to 08/12/2017
JW24	GJU62539	0.5	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW26	GJU61849	0.5	Secure	06/12/2014	05/12/2017	20/12/2017	19/12/2020	05/12/2017 to 20/12/2017
JW28	GJU61839	0.5	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017

<sup>10</sup> There is no delay in calibration of main and check meter located at Substation. However, WTG meters found delayed calibration in November 2017 and December 2017. For conservativeness, PP has applied maximum permissible error factor 1.0% ( considering double error as only net export available with PP) instead of 0.5% for the period of delayed calibration in net export of electricity for calculation of emission reductions.

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								to 08/12/2017
JW31	GJU61850	0.5	Secure	06/12/2014	05/12/2017	17/12/2017	16/12/2020	05/12/2017 to 17/12/2017
JW32	GJU64199	0.5	Secure	06/12/2014	05/12/2017	18/12/2017	17/12/2020	05/12/2017 to 17/12/2017
JW33	GJU62545	0.5	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW34	GJU62537	0.5	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW35	GJU61828	0.5	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW36	GJU62536	0.5	Secure	08/12/2014	07/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW37	GJU64192	0.5	Secure	08/12/2014	07/12/2017	20/12/2017	19/12/2020	07/12/2017 to 20/12/2017
JW39	GJU62533 <sup>11</sup>	0.5	Secure	03/12/2014	02/12/2017			02/12/2021 7 to 09/12/2017
	GJU64194	0.5	Secure			09/12/2017	08/12/2020	
JW40	GJU62538	0.5	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW41	GJU61846	0.5	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW42	GJU64197	0.5	Secure	24/11/2014	23/11/2017	17/12/2017	16/12/2020	23/11/2017 to 17/12/2017
JW43	GJU56316	0.5	Secure	02/12/2014	01/12/2017	20/12/2017	19/12/2020	01/12/2017 to 20/12/2017
JW44	GJU64194 <sup>12</sup>	0.5	Secure	08/12/2014	07/12/2017			
	GJU62544	0.5	Secure			17/12/2017	16/12/2020	-
JW45	GJU62532	0.5	Secure	08/12/2014	07/12/2017	17/12/2017	16/12/2020	07/12/2017 to 17/12/2017
JW46	GJU62534	0.5	Secure	08/12/2014	07/12/2017	09/12/2017	08/12/2020	07/12/2017 to 09/12/2017
JW47	GJU62521	0.5	Secure	20/11/2014	19/11/2017	09/12/2017	08/12/2020	19/11/2017 to 09/12/2017
JW48	GJU64188	0.5	Secure	24/11/2014	23/11/2017	17/12/2017	16/12/2020	23/11/2017 to 17/12/2017
JW49	GJU62531	0.5	Secure	24/11/2014	23/11/2017	09/12/2017	08/12/2020	23/11/2017 to 09/12/2017
JW50	GJU64204	0.5	Secure	24/11/2014	23/11/2017	17/12/2017	16/12/2020	23/11/2017 to 17/12/2017

<sup>11</sup> Meter No. GJU62533 was replaced by Meter No. GJU64194 on 09/12/2017

<sup>12</sup> Meter No. GJU64194 was replaced by Meter No. GHU62544 on 24/03/2016

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JW51	GJU64201	0.5	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW52	GJU64168	0.5	Secure	08/12/2014	07/12/2017	20/12/2017	19/12/2020	07/12/2017 to 20/12/2017
JW53	GJU62541	0.5	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW54	GJU64203	0.5	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW55	GJU65682	0.5	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW56	GJU64200 <sup>13</sup>	0.5	Secure	28/11/2014	27/11/2017			-
	GJU73307	0.5	Secure			17/12/2017	16/12/2020	
JW57	GJU64205	0.5	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW58	GJU64170	0.5	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW59	GJU64171	0.5	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW60	GJU64207	0.5	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW61	GJU64173	0.5	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW62	GJU64198 <sup>14</sup>	0.5	Secure	05/12/2014	04/12/2017			-
	GJU64151	0.5				17/12/2017	16/12/2020	
JW63	GJU62535	0.5	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW64	GJU64190	0.5	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
VW08	GJU61851	0.5	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW44	GJU61833	0.5	Secure	06/12/2014	05/12/2017	21/12/2017	20/12/2020	05/12/2017 to 21/12/2017
VW57	GJU61841	0.5	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW59	GJU64169	0.5	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW61	GJU61853	0.5	Secure	06/12/2014	05/12/2017	08/12/2017	07/12/2020	05/12/2017 to 08/12/2017
VW70	GJU64167	0.5	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017

<sup>13</sup> Meter No. GJU64200 was replaced by Meter No. GJU73307 on 24/05/2016

<sup>14</sup> Meter No. GJU64198 was replaced by Meter No. GJU64151 on 26/05/2016

## WTG Check meter details:

WTG ID	Meter No.	Accuracy Class	Make	Calibration Date	Validity of Calibration	Calibration Date	Validity of Calibration <sup>15</sup>	Delay in calibration
JW03	GJB56485	0.2	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW06	GJB56514	0.2	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW07	GJB56504	0.2	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW17	GJB56521	0.2	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW18	GJU64177	0.2	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW19	GJB56478	0.2	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW20	GJB56491	0.2	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW21	GJB56522	0.2	Secure	29/11/2014	28/11/2017	18/12/2017	17/12/2020	28/11/2017 to 18/12/2017
JW22	GJB56483	0.2	Secure	04/12/2014	03/12/2017	18/12/2017	17/12/2020	03/12/2017 to 18/12/2017
JW24	GJB56486	0.2	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW26	GJB56506	0.2	Secure	06/12/2014	05/12/2017	20/12/2017	19/12/2020	05/12/2017 to 20/12/2017
JW28	GJB56484	0.2	Secure	04/12/2014	03/12/2017	08/12/2017	07/12/2020	03/12/2017 to 08/12/2017
JW31	GJB56507	0.2	Secure	06/12/2014	05/12/2017	17/12/2017	16/12/2020	05/12/2017 to 17/12/2017
JW32	GJU64182	0.2	Secure	06/12/2014	05/12/2017	18/12/2017	17/12/2020	05/12/2017 to 18/12/2017
JW33	GJB56510	0.2	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW34	GJB56509 <sup>16</sup>	0.2	Secure	02/12/2014	01/12/2017			-
	GJB56499	0.2	Secure			07/12/2017	06/12/2020	
JW35	GJB56501	0.2	Secure	02/12/2014	01/12/2017	07/12/2017	06/12/2020	01/12/2017 to 07/12/2017
JW36	GJB56511	0.2	Secure	08/12/2014	07/12/2017	07/12/2017	06/12/2020	01/12/2017

<sup>15</sup> There is no delay in calibration of main and check meter located at Substation. However, WTG meters found delayed calibration in November 2017 and December 2017. For conservativeness, PP has applied 1.0% error factor (considering double error as only net export available with PP) instead of 0.5% for the period of delayed calibration in net export of electricity for calculation of emission reductions

<sup>16</sup> Meter No. GJB56509 was replaced by Meter No. GJB56499 on 24/03/2016

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								to 07/12/2017
JW37	GJB56476	0.2	Secure	08/12/2014	07/12/2017	20/12/2017	19/12/2020	07/12/2017 to 20/12/2017
JW39	GJB56488	0.2	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW40	GJB56512	0.2	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW41	GJB56489	0.2	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
	GJU64139 <sup>17</sup>	0.2	Secure	24/11/2014	23/11/2017			-
JW42	GJU73308	0.2	Secure			17/12/2017	16/12/2020	01/12/2017 to 20/12/2017
JW43	GJB56503	0.2	Secure	02/12/2014	01/12/2017	20/12/2017	19/12/2020	07/12/2017 to 17/12/2017
JW44	GJU64143	0.2	Secure	08/12/2014	07/12/2017	17/12/2017	16/12/2020	07/12/2017 to 17/12/2017
JW45	RJB78165	0.2	Secure	08/12/2014	07/12/2017	17/12/2017	16/12/2020	07/12/2017 to 09/12/2017
JW46	GJB56490	0.2	Secure	08/12/2014	07/12/2017	09/12/2017	08/12/2020	19/11/2017 to 09/12/2017
JW47	GJB56502	0.2	Secure	20/11/2014	19/11/2017	09/12/2017	08/12/2020	23/11/2017 to 17/12/2017
JW48	GJU64144	0.2	Secure	24/11/2014	23/11/2017	17/12/2017	16/12/2020	23/11/2017 to 09/12/2017
JW49	GJB56482	0.2	Secure	24/11/2014	23/11/2017	09/12/2017	08/12/2020	23/11/2017 to 17/12/2017
JW50	GJU64140	0.2	Secure	24/11/2014	23/11/2017	17/12/2017	16/12/2020	27/11/2017 to 20/12/2017
JW51	GJU64181	0.2	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	07/12/2017 to 20/12/2017
JW52	GJU64186	0.2	Secure	08/12/2014	07/12/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW53	GJU64178	0.2	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW54	GJU64176	0.2	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 20/12/2017
JW55	GJB56517	0.2	Secure	28/11/2014	27/11/2017	20/12/2017	19/12/2020	27/11/2017 to 17/12/2017
JW56	GJU64175	0.2	Secure	28/11/2014	27/11/2017	17/12/2017	16/12/2020	26/11/2017 to 11/12/2017

<sup>17</sup> Meter No. GJU64139 was replaced by Meter No. GJU73308 on 06/03/2017

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JW57	GJU64141	0.2	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW58	GJU64179	0.2	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW59	GJU64184	0.2	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW60	GJU64183	0.2	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	26/11/2017 to 11/12/2017
JW61	GJU64180	0.2	Secure	27/11/2014	26/11/2017	11/12/2017	10/12/2020	-
JW62	GJB56477 <sup>18</sup>	0.2	Secure	05/12/2014	04/12/2017			-
	GJU73309	0.2	Secure			17/12/2017	16/12/2020	
JW63	GJB56480	0.2	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
JW64	GJB56479	0.2	Secure	03/12/2014	02/12/2017	09/12/2017	08/12/2020	02/12/2017 to 09/12/2017
VW08	GJB56508	0.2	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW44	GJB56516	0.2	Secure	06/12/2014	05/12/2017	21/12/2017	20/12/2020	05/12/2017 to 21/12/2017
VW57	GJB56515	0.2	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW59	GJU64142	0.2	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017
VW61	GJB56505	0.2	Secure	06/12/2014	05/12/2017	08/12/2017	07/12/2020	05/12/2017 to 08/12/2017
VW70	GJU64185	0.2	Secure	05/12/2014	04/12/2017	21/12/2017	20/12/2020	04/12/2017 to 21/12/2017

<sup>18</sup> Meter No. GJB56477 was replaced by Meter No. GJU73309 on 06/05/2016

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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		