



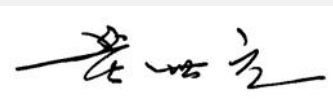
# INNER MONGOLIA WULIJI WIND FARM PROJECT



Document Prepared By China Classification Society Certification Co., Ltd.  
(CCSC)

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## Summary:

China Classification Society Certification Co., Ltd. (CCSC), commissioned by CGN Wind Power Co., Ltd., has performed the periodic verification of Inner Mongolia Wuliji Wind Farm Project (hereafter referred to as "the project") covering the monitoring period from 13-September-2019 to 31-December-2021 (first and last days included) corresponding to the second crediting period from 13-September-2019 to 12-September-2029, on the basis of requirements of Verified Carbon Standard (VCS) Version 4.

The project involves the construction and operation of 50 MW wind farm project in Wulate Hou Qi, Bayannao'er City, Inner Mongolia Autonomous Region, the People's Republic of China, consisting of 40 wind turbines with capacities of 1,250 kW each. The project is expected to supply 117,630 MWh of electricity per year to the North China Power Grid (NCPG) and displaces the equivalent power generated by the existing power plants and likely capacity additions within the given grid.

The project started operation on 13-September-2009 and registered as a CDM project on 15-March-2010 with reference No. 2483 (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view?cp=1> (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view>). After conduct the project validation under VCS Standard Version 2007.1, the project was allocated with VCS ID 543

(<https://registry.verra.org/app/projectDetail/VCS/543>). The first VCS crediting period of the project is from 13-September-2009 to 12-September-2019 (first and last days included) and the second crediting period is from 13-September-2019 to 12-September-2029 (first and last days included), with CDM methodology ACM0002 (Version 20.0) “Grid-connected electricity generation from renewable sources”.

Before the verification for this monitoring period, several periodic verifications of the project were completed and corresponding CERs or VCUs were issued successfully. The project has applied for the issuance of CERs during the monitoring period 15-March-2010~31-March-2011, 01-April-2011~31-January-2012, 01-February-2012~20-January-2013, 21-January-2013~14-March-2017, and VCUs during the monitoring period 13-September-2009~14-March-2010 and 15-March-2017~12-September-2019. These issued credits have been verified.

The objective of the verification is to have an independent review ex-post determination by a VVB (Validation and Verification Body) of the monitored GHG emission reductions that have occurred as a result of the implementation of the project during a defined monitoring period.

CCSC appointed a qualified verification team in accordance with internal procedures to perform the verification. During the verification, 2 Clarification Requests (CLs), no Corrective Action Request (CAR) and no forward action request (FAR) were raised.

There are no restrictions of uncertainty with the verification.

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

- All operations of the project are implemented and installed as planned and described in the validated Project Description.
- The monitoring plan is in accordance with the applied approved CDM methodology, i.e., ACM0002 (Version 20.0) “Grid-connected electricity generation from renewable sources”.
- The implementation of monitoring follows the monitoring plan.
- The monitoring system is in place and functional.
- The installed equipment for measuring parameters required for calculating emission reductions are calibrated appropriately.

Based on the information observed and evaluated, the verification team confirms that the emission reductions are correctly calculated in the MR (version 03 dated 29-September-2022).

In conclusion, it is CCSC’s opinion that the project “Inner Mongolia Wuliji Wind Farm Project”, as described in the MR (version 03 dated 29-September-2022), meets all relevant requirements for VCS and all relevant host Party criteria. Hence, CCSC is able to certify that the emission reductions from the project during the monitoring period from 13-September-2019 to 31-December-2021 amount to 225,593 tCO<sub>2</sub>e and requests issuance of the equivalent VCUs.

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# 1 INTRODUCTION

## 1.1 Objective

CGN Wind Power Co., Ltd. has commissioned CCSC to verify and provide a verification statement of the emission reductions of the Inner Mongolia Wuliji Wind Farm Project (hereafter referred to as “the project”), which is located in the Wulate Hou Qi, Bayannao’er City, Inner Mongolia Autonomous Region, People’s Republic of China (P. R. China) for the monitoring period from 13-September-2019 to 31-December-2021 (first and last days included), based on the requirement of VCS Standard (version 4.3)/11/ as well as criteria to provide for consistent project operations, monitoring and reporting.

CCSC as the validation/verification body (VVB) of the project has been accredited as a DOE by UNFCCC and meets the competence requirements as set out in ISO 14065:2020.

Verification of emission reductions from a project activity is the independent review and ex post determination by VVB of the monitored reductions in GHG emissions during the reported monitoring period. The objectives of verification are to:

- a) Ensure that the project activity has been implemented and operated as per the approved VCS project description (VCS-PD) /3/ and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- b) Ensure that the monitoring report and other supporting documents provided are complete in accordance with the latest applicable version of Registration and Issuance Process /15/ and in accordance with the additional requirements stated by the VERRA;
- c) Ensure that actual monitoring systems and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved methodology /12/;
- d) Evaluate the data recorded and stored as per the monitoring methodology /12/.

## 1.2 Scope and Criteria

The verification scope encompasses an independent and objective review and ex-post determination of the monitored reductions in GHG emissions by the CCSC. The verification scope covers the relevant documents (e.g., the VCS-PD /3/, the monitoring plan, the VCS monitoring report (VCS-MR) /1/, the emission reduction calculation spreadsheet /2/, supporting documents available to the verifier and information collected through performing interviews and during the on-site assessment, VERRA's requirements publicly available, relevant rules, including the host country legislation, etc.) to be independently reviewed, the implementation of the project activity to be verified through on-site assessment, the related project local stakeholders to be interviewed with, and processes that are necessary to acquire objective evidence for the evaluation of the project compliance to the VCS requirements and associated interpretations.

The above verification activities are conducted according to the VERRA's requirements. In doing so, the principles of accuracy and completeness, relevance, reliability and credibility were followed.

The verification is not meant to provide any consulting service towards the PPs. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the project.

### 1.3 Level of Assurance

CCSC has undertaken a reasonable assurance engagement in accordance with VCS Standard (version 4.3) /11/. It requires a reasonable level of assurance in verification that GHG assertions are free of material errors, omissions and misrepresentations. The verification conclusion is based on the VCS-PD /3/, VCS-MR /1/, and supporting evidences made available to the verifier and information collected through performing interviews and during the on-site assessment.

### 1.4 Summary Description of the Project

Inner Mongolia Wuliji Wind Farm Project developed by CGN Wind Power Co., Ltd. is located in the Wulate Hou Qi, Bayannao'er City, Inner Mongolia Autonomous Region, People's Republic of China (P. R. China). The centre of the project is defined using geographic coordinates obtained with a Global Positioning System (GPS) receiver: E 106°38'30" Longitude, N 41°30'20" Latitude. The project is to utilize wind resources for electricity generation through the construction of a wind farm with the installation of 40 wind turbines with capacities of 1,250 kW each, which amount to a total installed capacity of 50 MW.

The project started construction on 02-September-2008. The first turbine was commissioned on 13-September-2009, and all wind turbines of this project were put into operation on 24-October-2009. The expected operation period of the project is 20 years.

The estimated annual average GHG emission reduction from the project is 98,868 tCO<sub>2</sub>e. During the monitoring period from 13-September-2019 to 31-December-2021, total net electricity supplied to the grid is 268,405.669 MWh. The total verified carbon units (VCUs) achieved in the monitoring period are 225,593 tCO<sub>2</sub>e, which has been verified by on-site inspection, and checking the related documentations, interview with the project implementer.

The project generates electricity by wind to the grid and replacing equivalent electricity generated by fossil fuel fired power plants connected into North China Power Grid (NCPG) thus the project generates GHG emission reductions and produces financial, social and environmental benefits. The project has resulted in the local sustainable development as described in Section 4.1 of this Verification Report. The project is a registered CDM project with reference No. 2483. After conduct the project validation under VCS program, the project was allocated with VCS ID 543 and the emission reductions have been certified as verified carbon units (VCUs) for this monitoring period.

## 2 VERIFICATION PROCESS

### 2.1 Method and Criteria

The overall verification, from Contract Review to Verification Report & Opinion, was conducted using CCSC internal procedures.

CCSC verified the project against the requirements set in VCS/11//13//14//15/, and other relevant VCS requirements.

The following sections outline each step in more detail

### 2.2 Document Review

A desk review of the approved VCS-PD /3/, the validation report /5/, the previous verification reports, the applied monitoring methodology /12/, the VCS monitoring report (VCS-MR) /1/ and supporting documents was conducted by the verification team. The aim of the desk review of the documentation is to verify the completeness of the data and the information presented, to carry out the compliance check of the VCS-MR /1/ with respect to the monitoring plan and the applied methodology /12/. Particular attention was given to the quality of the metering equipment including calibration requirements /18//19/, the monitored data and its evidence, and the emission reduction calculation. The evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions was also conducted.

Appendix B of this report contains a complete list of all documents and proofs reviewed by the verification team.

## 2.3 Interviews

On 22-July-2022, CCSC performed an on-site assessment with PP at the physical site of the project.

The verification team verified that the actual implementation of the project was as described in the VCS-PD /3/, and VCS-MR /1/. This included the review of the project operation based on the evidence of on-site assessment and presented documents.

During the on-site assessment, the verification team has interviewed with key personnel from the project owner (the project participant), the consultancy, and local stakeholders.

The assessment content and topics/the persons interviewed at the on-site assessment were provided in the below table.

| Date: 22-July-2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interview topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Interviewed Organizations and persons                                                                                                                                                                                                                                                 |
| --The status of VCS project implementation.<br>-- Any changes of the VCS project.<br>-- The project on-site inspection<br>-- The evidences of construction status and operation of key equipment, parameters monitoring and data processing activities, monitor equipment and calibration.<br>-- Monitoring data.<br>-- Quality Management; organizational structure, responsibilities and competencies; Internal QA/QC Management procedures and document control.<br>-- Compliance with National Laws and Regulations. | <b>CGN Wind Power Co., Ltd.</b><br>Zhang Weixin, Wind Farm Manager<br>Zhang Fa, Technical Supervisor<br>Fan Peng, Sales Manager<br><b>Alxa League Power Administration</b><br>Long Hairong<br><b>CGN Carbon Asset Management (Beijing) Co., Ltd.</b><br>Xing Hao, VCS Project Manager |
| -- The impact of the project activity.<br>-- The complaint by local stakeholders.<br>-- The stakeholder consultation during the operation of the project activity.                                                                                                                                                                                                                                                                                                                                                       | <b>Alxa League Ecology and Environment Bureau</b><br>Wang Bing<br><b>local stakeholders</b>                                                                                                                                                                                           |

| Date: 22-July-2022                                                                                                                                                                                                                         |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Interview topics                                                                                                                                                                                                                           | Interviewed Organizations and persons                                                   |
|                                                                                                                                                                                                                                            | Ma Ting<br>Li Li                                                                        |
| -- Preparation of Monitoring Report.<br>-- Compliance of the monitoring plan with the monitoring methodology.<br>-- Compliance of monitoring with the monitoring plan<br>-- Assessment of data and calculation of GHG emission reductions. | <b>CGN Carbon Asset Management (Beijing) Co., Ltd.</b><br>Xing Hao, VCS Project Manager |

## 2.4 Site Inspections

The on-site assessment involved following activities:

An assessment of the implementation and operation of the project activity as per the approved VCS PD /3/;

A review of information flows for generating, aggregating and reporting the monitoring parameters;

Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan;

A cross-check between information provided in the monitoring report /1/ and data from other sources such as operational records or similar data sources;

A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the VCS PD /3/ and the selected methodology /12/;

A review of calculations and assumptions made in determining the GHG data and emission reductions;

An identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.

## 2.5 Resolution of Findings

During the verification of a project activity, to identify issues that need to be further elaborated upon, researched or added to in order to confirm that the project activity meets the VERRA's requirements and can achieve credible emission reductions, the verification team will issue a Corrective Action Request (CAR), a Clarification Request (CL) or a Forward Action Request (FAR) depending on different situations.

The objective of this phase of the verification is to resolve issues related to the monitoring, implementation and operations of the registered project activity that could impair the capacity of the registered project activity to achieve emission reductions or influence the monitoring and reporting of emission reductions prior to CCSC's positive conclusion on the GHG emission reduction calculation.

Findings established during the verification can either be seen as a non-fulfilment of criteria ensuring the proper implementation of a project or where a risk to deliver high quality emission reductions is identified.

A Corrective Action Request (CAR) will be raised if one of the following occurs:

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

A Clarification Request (CL) will be raised if information is insufficient or not clear enough to determine whether the applicable VCS requirements have been met.

A Forward Action Request (FAR) will be raised, for actions if the monitoring and reporting require attention and/or adjustment for the next verification period.

There are 2 CLs that have been raised during the current verification.

### 2.5.1 Forward Action Requests

No Forward Action Requests were raised during the current verification.

## 2.6 Eligibility for Validation Activities

The VVB that "China Classification Society Certification Co., Ltd. (CCSC)" commissioned by CGN Wind Power Co., Ltd. is one of eligible VVBs listed on the VERRA website (<https://verra.org/project/vcs-program/validation-verification/>), and it holds the accreditation for validation/verification for the sectoral scope: "1. Energy (renewable/non-renewable)", to which the project activity belongs. Therefore, CCSC is eligible for the validation/verification of the project activity.

# 3 VALIDATION FINDINGS

## 3.1 Participation under Other GHG Programs

The project has not been registered or is seeking registration under any other GHG programs which has been checked during the validation process.

The project started operation on 13-September-2009 and has been registered as a CDM project under the UNFCCC with Ref. 2483. After conduct the project validation under VCS program, the project was allocated with VCS ID 543.

The project's first crediting period under VCS is from 13-September-2009 to 12-September-2019. The validation report of the renewal of crediting period has been issued after the end of the previous project crediting period and within two years after the end of the previous project crediting period, so the renewal of crediting period of this project has been completed successfully. The second crediting period is from 13-September-2019 to 12-September-2029, which is corresponding to this monitoring period.

The project has sought the registration with the VCS Program and validation was conducted by VVB and has been successfully registered in VCS Program and via checking the VCS dedicated website of the project.

The verification team also checked the Gold Standard Registry and the Climate Action Reserve to determine if the project is producing other environmental credits. It was confirmed that the project is not listed on these registries and therefore there is no other environmental credit (for example renewable energy certificate) which has or will be produced by or obtained for the project.

Via on-site interview with the project implementer and checking the UNFCCC website of the project (Ref. 2483). It is verified that the implementation of the project is consistent with the description in the VCS PD /3/ and the monitoring system is fully functional to generate

Verified Carbon Units (VCUs) without any double counting for this monitoring period from 13-September-2019 to 31-December-2021.

### 3.2 Methodology Deviations

There is a deviation on calculation of Build Margin when adopting the methodological tool “Tool to calculate the emission factor for an electricity system” by the Chinese DNA in the “2017 Baseline Emission Factors for Regional Power Grids in China”. The deviation has been approved by the EB Board in a response letter entitled “Request for clarification on use of approved methodology AM0005 for several projects in China”, thus the same deviation method has been adopted in the first and second crediting periods of the project by the Chinese DNA.

### 3.3 Project Description Deviations

There is a deviation for crediting period. The end date of project crediting period was updated from 14-March-2010 to 12-September-2019 and it was approved by VERRA. Thus, the project first crediting period under VCS was updated to from 13-September-2009 to 12-September-2019 (both days included).

Through the site visit interview with project owner, it is confirmed that the start date of electricity generation is 13-September-2009, which is the project start date according to the requirement of VCS. The VCS crediting period was determined as from 13-September-2009 to 14-March-2010, which has been confirmed based on the registered PD, validation report of this project and previous VCS Verification Report. VCS Standard (version 4.3) requires that registered projects and projects that complete validation on or before 19 March 2020 remain eligible to apply the crediting period requirements under VCS Version 3. Moreover, the latest version 3.7 of VCS Version 3 /31/ requires that the project crediting period shall be a maximum of ten years which may be renewed at most twice.

As the project was also registered as a CDM project with a seven-year twice renewable project crediting period, it is not eligible for VCU issuance beyond the end of those 21 years (14-March-2031).

According to the VCS PD for the 2nd crediting period and the validation report of this project, the validation report of the renewal of crediting period has been issued after the end of the previous project crediting period and within two years after the end of the previous project crediting period, so the renewal of crediting period of this project has been completed successfully. Therefore, the project first crediting period under VCS is from 13-September-2009 to 12-September-2019 (both days included), and the second crediting

period is from 13-September-2019 to 12-September-2029 (both days included), which is corresponding to this monitoring period.

Moreover, the change on Other Entities Involved in the Project indicated in Monitoring Report section 3.2.2 was verified by CCSC. The Consulting Services Contract between CGN Wind Power Co., Ltd. (Project Proponent) and CGN Carbon Asset Management (Beijing) Co., Ltd. (Consultancy) shows that in January 2022, Project Proponent commissioned CGN Carbon Asset Management (Beijing) Co., Ltd. to undertake VCS reports preparation and technical services for this monitoring period. This change is appropriate under section 3.19 of the VCS Standard version 4.3.

### Conclusion

According to the information collected during on-site visit and the relevant evidence provided by project owner, CCSC can confirm that the deviations for crediting period and Other Entities Involved in the Project do not impact the applicability of the methodology, additionality, or the appropriateness of the baseline scenario, and the project remains in compliance with the applied methodology. The deviations have been appropriately described and justified in the monitoring report and will be described in all subsequent monitoring reports, and the project remains in compliance with the VCS Program rules.

## 3.4 Grouped Project

Not applicable as the project activity is not grouped project.

# 4 VERIFICATION FINDINGS

## 4.1 Project Implementation Status

### 4.1.1 Project Implementation in accordance with the VCS PD

Through the onsite visit, interviewing the project developer and reviewing the project operation, CCSC confirmed that the project was implemented to generate electricity by wind to the grid consists of 40 wind turbines with unit capacity of 1250 kW and the total installed capacity of 50 MW in the Wulate Hou Qi, Bayannao'er City, Inner Mongolia Autonomous Region, People's Republic of China (P. R. China), which is consistent with that in VCS PD /3/. The project achieved 225,593 tCO<sub>2</sub>e emission reduction by replacing electricity generated by fossil fuel fired power plants connected into NCPG during this monitoring period.

The project can reduce GHG emissions by generate electricity by wind to the grid and replacing equivalent electricity generated by fossil fuel fired power plants connected into NCPG. During this monitoring period, the project has generated the total net electricity supply of 268,405.669 MWh. The total verified carbon units (VCUs) achieved in the monitoring period are 225,593 tCO<sub>2</sub>e, which has been verified by on-site inspection, and checking the related documentations, interview with the project implementer.

Via checking the MR/1/ and by site inspection, CCSC verified that there are no changes on the key equipment and technology since the validation of the project.

The project began to construct on 02-September-2008. The Project began generating electricity on 13-September-2009.

This verification covers the period from 13-September-2019 to 31-December-2021.

As part of the site visit the verification team was able to confirm that the project implementation is in accordance with the project description contained in the VCS PD/3/. There are no any material discrepancies between project implementation and the project description.

Through the on-site visit, the power generating technology, installed capacity, technical specifications of wind turbine and generator, and power delivering systems indicated in the VCS PD are in place and the project has been operated as per the VCS PD /3/. The verification team confirms the project has been implemented as per the VCS PD /3/. During this monitoring period, the monitoring of this project activity was in compliance with the VCS PD. The major technical specifications of the project have been verified during the site visit and listed in the table below and the verification team confirmed they are consistent with the VCS PD /3/.

Table 4-1 The main technical parameters of wind turbine and generator

| Item            | Unit           | Index    |
|-----------------|----------------|----------|
| Type            | -              | SEC-1250 |
| Quantity        | Set            | 40       |
| Rated power     | kW             | 1,250    |
| Hub height      | m              | 65       |
| Rotor diameter  | m              | 64       |
| Sweep-wind area | m <sup>2</sup> | 3,217    |
| Cut-in speed    | m/s            | 2.8      |

|                            |       |      |
|----------------------------|-------|------|
| Cut-out speed              | m/s   | 23   |
| Rated wind speed           | m/s   | 12.3 |
| Rated voltage of generator | V     | 690  |
| Lifetime                   | years | 20   |

Besides, the consulting company for this monitoring period is different from that for renewal of the crediting period, as shown in Monitoring Report section 1.4 and section 3.2.2. Other Entities Involved in the Project shows the company that is responsible for VCS reports and other related documents. The consultancy for renewal of the crediting period that prepared the approved VCS PD version 5.1 is Climate Bridge (Shanghai) Ltd, while the consultancy for this monitoring period that prepared this Monitoring Report is CGN Carbon Asset Management (Beijing) Co., Ltd.

The Consulting Services Contract between CGN Wind Power Co., Ltd. (Project Proponent) and CGN Carbon Asset Management (Beijing) Co., Ltd. (Consultancy) shows that in January 2022, Project Proponent commissioned CGN Carbon Asset Management (Beijing) Co., Ltd. to undertake VCS reports preparation and technical services. The change on Other Entities Involved in the Project has been verified by CCSC.

The project been registered as a CDM project under the UNFCCC with Ref. 2483, which is verified by checking the dedicated UNFCCC website (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view?cp=1> <https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view>). After conduct the project validation under VCS program, the project was allocated with VCS ID 543 (<https://registry.terra.org/app/projectDetail/VCS/543>). The project has applied for the issuance of CERs during the monitoring period 15-March-2010~31-March-2011, 01-April-2011~31-January-2012, 01-February-2012~20-January-2013, 21-January-2013~14-March-2017, and VCUs during the monitoring period 13-September-2009~14-March-2010 and 15-March-2017~12-September-2019. These issued credits have been verified.

| Monitoring Period               | Net GHG emission reductions or removals (tCO <sub>2</sub> e) | Form of Environmental Credits |
|---------------------------------|--------------------------------------------------------------|-------------------------------|
| 13-September-2009~14-March-2010 | 63,467                                                       | VCUs                          |
| 15-March-2010~31-March-2011     | 128,660                                                      | CERs                          |
| 01-April-2011~31-January-2012   | 102,246                                                      | CERs                          |

|                                  |         |      |
|----------------------------------|---------|------|
| 01-February-2012~20-January-2013 | 118,368 | CERs |
| 21-January-2013~14-March-2017    | 464,566 | CERs |
| 15-March-2017-12-September-2019  | 265,256 | VCUs |

By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view?cp=1> <https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view>), there are no CDM issuance during this monitoring period from 13-September-2019 to 31-December-2021. Furthermore, CCSC checked public information from the REC Mechanism database of China, IREC Mechanism database, JI database, Chinese Emission Trading System, Gold Standard Registry and interviewed with project owner during site visit, it is confirmed that except CDM and VCS scheme, the project has not been participated or been rejected under any other GHG programs since validation or previous verification.

Besides, based on VVB's local expertise, as per "Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management" /20/ issued by Ministry of Ecology and Environment of P.R.China, China has a national emissions trading scheme only cover the high-emission industries, including thermal power generation, petrochemical, chemical, building materials, iron and steel, non-ferrous, paper, aviation and other key emission industries that emitted at least 26,000 tons of CO<sub>2</sub>e/year ( [https://www.mee.gov.cn/xxgk2018/xxgk/xxgk02/202101/t20210105\\_816131.html](https://www.mee.gov.cn/xxgk2018/xxgk/xxgk02/202101/t20210105_816131.html) ) . By checking "List of key emissions in the national carbon emissions transaction quota management in 2019-2020" ( [https://www.mee.gov.cn/xxgk2018/xxgk/xxgk03/202012/t20201230\\_815546.html](https://www.mee.gov.cn/xxgk2018/xxgk/xxgk03/202012/t20201230_815546.html) ) /21/ issued by Ministry of Ecology and Environment of P.R.China, the project owner is not included in the mandatory emission control scheme and thus no emission cap was enforced for the project activity. Hence, it is confirmed that the emission reductions will not be double counted.

Therefore, the verification team confirmed that the project only applies CERs and VCUs under CDM and VCS, and no rejection from CDM and VCS occurs, there are no other forms of environmental credits applied or issued for the project activity, the emission reduction resulted from the project during this monitoring period would only apply for VCUs.

By checking China's National Plan on Implementation of the 2030 Agenda for Sustainable Development/16/ and 17 SDGs defined by UNDP, and interviewing with stakeholders during site visit, CCSC confirmed that the project would contribute to sustainable development in as below:

- SDG 7: Providing clean and renewable energy source and displacing the power

generation of fossil fuel power plants, reducing pollution emissions caused by coal burning significantly, thus mitigating the air pollution and its adverse impacts on human health, promoting sustainable economic development in local area. During this monitoring period, the renewable energy supplied to NCPG was 268,405.669 MWh. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view?cp=1> <https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view>) and VERRA website (<https://registry.verra.org/app/projectDetail/VCS/543>), it is confirmed that since operation of the project activity, the cumulative renewable energy supplied to NCPG was 268,405.669 MWh (*The cumulative impact is calculated by summing the current project contributions with all impacts included in previously approved VCS monitoring reports or Sustainable Development Contribution Reports*, so it is the same as that in current monitoring period from 13-September-2019 to 31-December-2021).

- SDG 8: Providing direct and indirect employment opportunities during construction and operation period, which promotes sustained, inclusive and sustainable economic growth, full and productive employment and decent work for local residents. By checking staff roaster provided by project proponent, it is confirmed that since operation of the project activity, 12 long term working opportunities are provided.

- SDG 13: Reducing greenhouse gas emissions compared to a business-as-usual scenario. During this monitoring period, the emission reductions achieved were 225,593 tCO<sub>2</sub>e. By checking UNFCCC website (<https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view?cp=1> <https://cdm.unfccc.int/Projects/DB/BVQI1239166632.16/view>) and VERRA website (<https://registry.verra.org/app/projectDetail/VCS/543>), it is confirmed that since operation of the project activity, the cumulative emission reductions achieved are 225,593 tCO<sub>2</sub>e. (*The cumulative impact is calculated by summing the current project contributions with all impacts included in previously approved VCS monitoring reports or Sustainable Development Contribution Reports*, so it is the same as that in current monitoring period from 13-September-2019 to 31-December-2021).

In the Monitoring Report (version 01) of this VCS monitoring period, SD contributions of this project was not detailed described. Therefore, CL-1 was raised. Afterwards, the monitoring report was updated, in which detailed SDG targets and contributions were supplemented by PP and verified to be consistent with the relevant evidences, thus, CL-1 was closed successfully.

As per Instructions for Completing the Monitoring Report (Version 4.1), the evidence of the project's SD contributions shall be provided as appendices to this report based on Instructions for Completing the Monitoring Report (Version 4.1). In the Monitoring report version 01, the evidence for SDG 8 was missed and it was also not provided to VVB as a separate document, so CL-2 was raised. The evidence for SDG 8 that a statement from PP

about number of employee and salary during the operation period has been provided to VVB as a separate supporting document because of project proponent's confidentiality requirement. The statement from PP about the number of employee and salary during the operation period is consistent with the information in MR, so CL-2 was closed.

In conclusion, according to the information collected during on-site visit and the relevant evidence provided by project owner, CCSC can confirm that:

- a) The monitoring period from 13-September-2019 to 31-December-2021 is in compliance with the second VCS crediting period and continued with previous monitoring period, which complies with the requirement of the VCS Standard Version 4.3 /11/;
- b) No project design change occurred during this monitoring period and the project was implemented in accordance the VCS PD /3/;
- c) The monitoring plan is implemented completely and monitoring system (i.e., process and schedule for obtaining, recording, compiling and analyzing the monitored data and parameters) is appropriate.
- d) The project has contributed to sustainable development during this monitoring period and over project lifetime;
- e) The GHG emission reductions or removals generated by the project have not included in an emissions trading program or any other mechanism that includes GHG allowance trading;
- f) The project has not sought or received another form of GHG-related environmental credit, including renewable energy certificates, during this monitoring period. None of the credits will be claimed in the same period;
- g) The GHG emission reductions generated by the project during this monitoring period (13-September-2019 to 31-December-2021) will be only claimed under VCS program as VCU for the project to avoid double counting.

#### 4.1.2 Compliance of monitoring with the monitoring plan

The verification team has assessed the implementation of monitoring by the project owner against the approved monitoring plan. A short summary on the verification of every parameter listed in the monitoring plan and used for emission reduction calculation is provided below:

| Monitoring Parameter Requirement | Assessment/ Observation by the VVB |
|----------------------------------|------------------------------------|
|----------------------------------|------------------------------------|

|                                                                                                                                                                                                     |                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Data / Parameter:<br>(as in the monitoring plan of PD):                                                                                                                                             | $EG_{\text{facility},y}$<br>The quantity of net electricity supplied to the grid by the project in period y (MWh)                 |
| Measuring frequency:                                                                                                                                                                                | Continuously measurement                                                                                                          |
| Reporting frequency:                                                                                                                                                                                | Monthly recorded                                                                                                                  |
| Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)                                                                                  | Yes                                                                                                                               |
| Type of monitoring equipment:                                                                                                                                                                       | Electricity meter                                                                                                                 |
| Is accuracy of the monitoring equipment as stated in the PD? If the PD does not specify the accuracy of the monitoring equipment, does the monitoring equipment represent good monitoring practise? | Yes. Accuracy level of monitoring meters is as described in the approved monitoring plan.<br><br>For details see Table 4-2.       |
| Calibration frequency /interval:                                                                                                                                                                    | Annually as per relevant sectoral standards in China                                                                              |
| Is the calibration interval in line with the monitoring plan of the PD? If the PD does not specify the frequency of calibration, does the selected frequency represent good monitoring practise?    | Yes.                                                                                                                              |
| Company performing the calibration:                                                                                                                                                                 | See Table 4-2                                                                                                                     |
| Did calibration confirm proper functioning of monitoring equipment? (Yes / No):                                                                                                                     | Yes.                                                                                                                              |
| Is(are) calibration(s) valid for the whole reporting period?                                                                                                                                        | Yes. For details see Table 4-2.                                                                                                   |
| If applicable, has the reported data been cross-checked with other available data?                                                                                                                  | Yes, the reported data has been cross-checked with Electricity Sales and Purchase Receipts in line with approved monitoring plan. |
| How were the values in the monitoring report verified?                                                                                                                                              | The verification details have been reported in Section 4.4 of this report.                                                        |

| Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?                                                                                      | Yes.                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved? | Not applicable.                                                                                                                                                                                                                                  |
| Monitoring Parameter Requirement                                                                                                                                                                                                                                                             | Assessment/ Observation by the VVB                                                                                                                                                                                                               |
| Data / Parameter:<br>(as in monitoring plan of PD):                                                                                                                                                                                                                                          | $EG_{\text{export,total},y}$<br>Quantity of annual electricity exported to the grid by the project and other wind farm project during the monitoring period y, measured by the main meter (or backup meter) during the monitoring period y (MWh) |
| Measuring frequency:                                                                                                                                                                                                                                                                         | Continuously measurement                                                                                                                                                                                                                         |
| Reporting frequency:                                                                                                                                                                                                                                                                         | Monthly recorded                                                                                                                                                                                                                                 |
| Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)                                                                                                                                                                           | Yes                                                                                                                                                                                                                                              |
| Type of monitoring equipment:                                                                                                                                                                                                                                                                | Electricity meter                                                                                                                                                                                                                                |
| Is accuracy of the monitoring equipment as stated in the PD? If the PD does not specify the accuracy of the monitoring equipment, does the monitoring equipment represent good monitoring practise?                                                                                          | Yes. Accuracy level of monitoring meters is 0.2S as described in approved monitoring plan.<br>For details see Table 4-2.                                                                                                                         |
| Calibration frequency /interval:                                                                                                                                                                                                                                                             | Annually as per relevant sectoral standards in China                                                                                                                                                                                             |
| Is the calibration interval in line with the monitoring plan of the PD? If the PD does not specify the frequency of calibration, does the selected                                                                                                                                           | Yes.                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| frequency represent good monitoring practise?                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                    |
| Company performing the calibration:                                                                                                                                                                                                                                                          | See Table 4-2                                                                                                                                                                                                                                      |
| Did calibration confirm proper functioning of monitoring equipment? (Yes / No):                                                                                                                                                                                                              | Yes.                                                                                                                                                                                                                                               |
| Is(are) calibration(s) valid for the whole reporting period?                                                                                                                                                                                                                                 | Yes. For details see Table 4-2.                                                                                                                                                                                                                    |
| If applicable, has the reported data been cross-checked with other available data?                                                                                                                                                                                                           | Not applicable.                                                                                                                                                                                                                                    |
| How were the values in the monitoring report verified?                                                                                                                                                                                                                                       | The verification details have been reported in Section 4.4 of this report.                                                                                                                                                                         |
| Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?                                                                                      | Yes.                                                                                                                                                                                                                                               |
| In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved? | Not applicable.                                                                                                                                                                                                                                    |
| <b>Monitoring Parameter Requirement</b>                                                                                                                                                                                                                                                      | <b>Assessment/ Observation by the VVB</b>                                                                                                                                                                                                          |
| Data / Parameter:<br>(as in monitoring plan of PD):                                                                                                                                                                                                                                          | EG <sub>import,total,y</sub><br>Quantity of annual electricity imported from the grid by the project and other wind farm project during the monitoring period y, measured by the main meter (or backup meter) during the monitoring period y (MWh) |
| Measuring frequency:                                                                                                                                                                                                                                                                         | Continuously measurement                                                                                                                                                                                                                           |
| Reporting frequency:                                                                                                                                                                                                                                                                         | Monthly recorded                                                                                                                                                                                                                                   |
| Is measuring and reporting frequency in accordance with the monitoring plan                                                                                                                                                                                                                  | Yes                                                                                                                                                                                                                                                |

|                                                                                                                                                                                                         |                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| and monitoring methodology? (Yes / No)                                                                                                                                                                  |                                                                                                                                       |
| Type of monitoring equipment:                                                                                                                                                                           | Electricity meter                                                                                                                     |
| Is accuracy of the monitoring equipment as stated in the PD? If the PD does not specify the accuracy of the monitoring equipment, does the monitoring equipment represent good monitoring practise?     | Yes. Accuracy level of monitoring meters is 0.2S as described in approved monitoring plan.<br>For details see Table 4-2.              |
| Calibration frequency /interval:                                                                                                                                                                        | Annually as per relevant sectoral standards in China                                                                                  |
| Is the calibration interval in line with the monitoring plan of the PD? If the PD does not specify the frequency of calibration, does the selected frequency represent good monitoring practise?        | Yes.                                                                                                                                  |
| Company performing the calibration:                                                                                                                                                                     | See Table 4-2                                                                                                                         |
| Did calibration confirm proper functioning of monitoring equipment? (Yes / No):                                                                                                                         | Yes.                                                                                                                                  |
| Is(are) calibration(s) valid for the whole reporting period?                                                                                                                                            | Yes. For details see Table 4-2.                                                                                                       |
| If applicable, has the reported data been cross-checked with other available data?                                                                                                                      | Yes, the reported data has been cross-checked with Electricity Sales and Purchase Receipts in line with the approved monitoring plan. |
| How were the values in the monitoring report verified?                                                                                                                                                  | The verification details have been reported in Section 4.4 of this report.                                                            |
| Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place? | Yes.                                                                                                                                  |
| In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most                      | Not applicable.                                                                                                                       |

|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| conservative assumption theoretically possible been applied or has a request for deviation been approved?                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Monitoring Parameter Requirement</b>                                                                                                                                                             | <b>Assessment/ Observation by the VVB</b>                                                                                                                                                                                                                                                                                                                                          |
| Data / Parameter:<br>(as in monitoring plan of PD):                                                                                                                                                 | <p><math>EG_{project,y}</math></p> <p>The electricity generation from the project metered by separate meters in period y.</p> <p>The quantity of annual electricity from the project are monitored continuously through the separate meters (M1, M2, M3, M4) installed at the project site.</p> <p>The accuracy of these meters is 0.5S, which can meet the national standard.</p> |
| Measuring frequency:                                                                                                                                                                                | Continuously measurement                                                                                                                                                                                                                                                                                                                                                           |
| Reporting frequency:                                                                                                                                                                                | Monthly recorded                                                                                                                                                                                                                                                                                                                                                                   |
| Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)                                                                                  | Yes                                                                                                                                                                                                                                                                                                                                                                                |
| Type of monitoring equipment:                                                                                                                                                                       | Electricity meter                                                                                                                                                                                                                                                                                                                                                                  |
| Is accuracy of the monitoring equipment as stated in the PD? If the PD does not specify the accuracy of the monitoring equipment, does the monitoring equipment represent good monitoring practise? | <p>Yes. Accuracy level of monitoring meter is as described in the approved monitoring plan.</p> <p>For details see Table 4-2.</p>                                                                                                                                                                                                                                                  |
| Calibration frequency /interval:                                                                                                                                                                    | Annually as per relevant sectoral standards in China                                                                                                                                                                                                                                                                                                                               |
| Is the calibration interval in line with the monitoring plan of the PD? If the PD does not specify the frequency of calibration, does the selected frequency represent good monitoring practise?    | Yes.                                                                                                                                                                                                                                                                                                                                                                               |
| Company performing the calibration:                                                                                                                                                                 | See Table 4-2.                                                                                                                                                                                                                                                                                                                                                                     |
| Did calibration confirm proper functioning of monitoring equipment?                                                                                                                                 | Yes.                                                                                                                                                                                                                                                                                                                                                                               |

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (Yes / No):                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                 |
| Is(are) calibration(s) valid for the whole reporting period?                                                                                                                                                                                                                                 | Yes. For details see Table 4-2.                                                                                                                                                                                                                                                                                                                                                 |
| If applicable, has the reported data been cross-checked with other available data?                                                                                                                                                                                                           | Not applicable.                                                                                                                                                                                                                                                                                                                                                                 |
| How were the values in the monitoring report verified?                                                                                                                                                                                                                                       | The verification details have been reported in Section 4.4 of this report.                                                                                                                                                                                                                                                                                                      |
| Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?                                                                                      | Yes.                                                                                                                                                                                                                                                                                                                                                                            |
| In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved? | Not applicable.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Monitoring Parameter Requirement</b>                                                                                                                                                                                                                                                      | <b>Assessment/ Observation by the VVB</b>                                                                                                                                                                                                                                                                                                                                       |
| Data / Parameter:<br>(as in the monitoring plan of PD):                                                                                                                                                                                                                                      | <p>EG<sub>others,y</sub></p> <p>The electricity generation from other project metered by separate meters in period y.</p> <p>The quantity of annual electricity from other project are monitored continuously through the separate meters (M5, M6, M7, M8) installed at the project site</p> <p>The accuracy of these meters is 0.5S, which can meet the national standard.</p> |
| Measuring frequency:                                                                                                                                                                                                                                                                         | Continuously measurement                                                                                                                                                                                                                                                                                                                                                        |
| Reporting frequency:                                                                                                                                                                                                                                                                         | Monthly recorded                                                                                                                                                                                                                                                                                                                                                                |
| Is measuring and reporting frequency in accordance with the monitoring plan and monitoring methodology? (Yes / No)                                                                                                                                                                           | Yes.                                                                                                                                                                                                                                                                                                                                                                            |

|                                                                                                                                                                                                                                                                                              |                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Type of monitoring equipment:                                                                                                                                                                                                                                                                | Electricity meter                                                                                                              |
| Is accuracy of the monitoring equipment as stated in the PD? If the PD does not specify the accuracy of the monitoring equipment, does the monitoring equipment represent good monitoring practise?                                                                                          | Yes. Accuracy level of monitoring meter is 1.0 as described in the approved monitoring plan.<br><br>For details see Table 4-2. |
| Calibration frequency /interval:                                                                                                                                                                                                                                                             | Annually as per relevant sectoral standards in China                                                                           |
| Is the calibration interval in line with the monitoring plan of the PD? If the PD does not specify the frequency of calibration, does the selected frequency represent good monitoring practise?                                                                                             | Yes.                                                                                                                           |
| Company performing the calibration:                                                                                                                                                                                                                                                          | See Table 4-2                                                                                                                  |
| Did calibration confirm proper functioning of monitoring equipment? (Yes / No):                                                                                                                                                                                                              | Yes.                                                                                                                           |
| Is(are) calibration(s) valid for the whole reporting period?                                                                                                                                                                                                                                 | Yes. For details see Table 4-2.                                                                                                |
| If applicable, has the reported data been cross-checked with other available data?                                                                                                                                                                                                           | Yes, the reported data has been cross-checked with sale receipts in line with the approved monitoring plan.                    |
| How were the values in the monitoring report verified?                                                                                                                                                                                                                                       | The verification details have been reported in Section 4.4 of this report.                                                     |
| Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions and are necessary QA/QC processes in place?                                                                                      | Yes.                                                                                                                           |
| In case only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved? | Not applicable.                                                                                                                |

According to the applied methodology ACM0002 “Grid connected electricity generation from renewable sources” (Version 20.0), the net electricity supplied to NCPG by the project is  $EG_{\text{facility},y}$ , which is used for the calculation of baseline emission. Net electricity supplied by the project to the grid is the difference between the electricity exported and the electricity imported, which is used for the calculation of baseline emission.

Furthermore, the verification team has verified that the accuracy of measure of the monitoring equipment was set according to the requirements and all calibration procedures were carried out according to the monitoring plan and manufacturer specifications. The calibration information of the monitoring meters in this monitoring period has been listed in Table 4-2 below. The monitoring equipment has been installed in the project in line with the monitoring plan.

The main meter and backup meter, with accuracy of 0.2S, are installed between an on-site substation and a grid substation and they are owned by the project developer. The separate meters M1~M8, with accuracy of 0.5S, are installed at the respective project site so that the electricity generation can be monitored for each wind farm separately so as to calculate the share of this wind farm of the total net electricity exported to the grid. M1~M4 are installed in Line1#~4# respectively to monitor the generation from the Project; M5~M8 are installed in Line5#~8# respectively to monitor the generation from other wind farm project.

In summary, the verification team is able to verify that the accuracy the monitoring equipment was set according to the monitoring plan and relevant sectoral standard of China.

Table 4-2 Verified calibration information of monitoring meters

| Meters       | Type       | Accuracy | Serial number   | Frequency | Calibration date | Validity date | Calibration Entity                                                                                |
|--------------|------------|----------|-----------------|-----------|------------------|---------------|---------------------------------------------------------------------------------------------------|
| Main meter   | ZMQ2 02C   | 0.2S     | 95691047        | Annually  | 25-June-2019     | 24-June-2020  | Inner Mongolia Electricity Science Research Institute Electricity Measurement and Testing Center. |
|              |            |          |                 |           | 25-June-2020     | 24-June-2021  |                                                                                                   |
|              |            |          |                 |           | 25-June-2021     | 24-June-2022  |                                                                                                   |
| Backup meter | ZMQ2 02C   | 0.2S     | 95691048        | Annually  | 25-June-2019     | 24-June-2020  |                                                                                                   |
|              |            |          |                 |           | 25-June-2020     | 24-June-2021  |                                                                                                   |
|              |            |          |                 |           | 25-June-2021     | 24-June-2022  |                                                                                                   |
| M1           | DTSD 34141 | 0.5S     | 2007111 9020046 | Annually  | 01-June-2019     | 31-May-2020   |                                                                                                   |
|              |            |          |                 |           | 01-June-2020     | 31-May-2021   |                                                                                                   |

|    |          |      |                 |          |              |             |  |
|----|----------|------|-----------------|----------|--------------|-------------|--|
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M2 | DTSD 341 | 0.5S | 2007111 9020043 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M3 | DTSD 341 | 0.5S | 2007111 9020042 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M4 | DTSD 341 | 0.2S | 2007111 9020047 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M5 | DTSD 341 | 0.5S | 2007111 9020056 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M6 | DTSD 341 | 0.5S | 0903002 7190095 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M7 | DTSD 341 | 0.5S | 0903002 7190096 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |
| M8 | DTSD 341 | 0.5S | 0903002 7190087 | Annually | 01-June-2019 | 31-May-2020 |  |
|    |          |      |                 |          | 01-June-2020 | 31-May-2021 |  |
|    |          |      |                 |          | 01-June-2021 | 31-May-2022 |  |

The verification team confirmed that there is no proposed or actual change to the monitoring plan in the approved VCS PD during this monitoring period. All required equipment and procedures are available and implemented in an appropriate manner. All necessary monitoring instruments are installed. All required instruments including standby

and operating procedures for the same have been implemented in an appropriate manner. The project is completely operational and the same has been confirmed on-site. Neither mistakes nor malfunction on meters have been observed during this monitoring period.

## 4.2 Safeguards

### 4.2.1 No Net Harm

By checking the EIA summary and conclusion provided in the registered CDM PDD and registered VCS PD, it is confirmed that wind power is green power and the impact caused by wind power on the air, noise, Electromagnetic, solid waste, vegetation and Biological etc. is very little, so there would be no net harm caused due to the project activity. Also, the EIA of the project are approved by the government.

Also, no potential environment or social economic matter was found during on-site assessment. The project is renewable energy project and thus no net harm observed in air or water quality on-site.

### 4.2.2 Local Stakeholder Consultation

As per the VCS requirements, it is necessary to invite the relevant stakeholders, prior of the validation process. The verification team checked the relevance of the dates during the validation on-site inspection.

According to the registered VCS PD and the approved VCS PD for the second crediting period, the local stakeholder's consultation was done in February 2008 through distributing a questionnaire, which was designed to be easily filled in. 40 copies of questionnaire were distributed, and 40 pieces of reply were received. The age of the participating stakeholders was in the range of 26 to 70 years old.

All stakeholders gave a positive opinion to the project, and supported the construction of the project. The results of the questionnaires are as follows:

- 100% agreed to the construction of the project;
- 100% thought the project would be helpful to the local economy;
- 95% thought the project would not influence the surrounding area, the other people were unconcerned about the problem;
- 97.5% thought the project would not influence the natural scenery; the others were unconcerned about the problem;

- 92.5% thought the project would not influence the ecosystem; the other people were unconcerned about the problem.

The survey showed the stakeholders believe that the project activity would have positive impacts on the local ecological, environmental, employment and social life. All stakeholders expressed their support to the project.

Communications with Local stakeholders was being carried out at periodic intervals. There are no negative comments received for the project.

All such conclusion has been verified through on-site assessment and check the registered VCS PD and the approved VCS PD for the second crediting period.

### 4.3 AFOLU-Specific Safeguards

The project is not AFOLU project, and thus this section is not applicable for the project.

## 4.4 Accuracy of GHG Emission Reduction and Removal Calculations

### 4.4.1 Parameters and information flow

The parameters required by the monitoring plan and the way CCSC has verified the information flow (from data generation, aggregation, to recording, calculation and reporting for these parameters including the values) in the monitoring report are described below:

Parameters monitored ex-post:

$$EG_{\text{facility}, y} = (EG_{\text{export}, \text{total}, y} - EG_{\text{import}, \text{total}, y}) * EG_{\text{project}, y} / (EG_{\text{project}, y} + EG_{\text{others}, y})$$

Where:

|                                |                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EG <sub>facility, y</sub>      | The quantity of net electricity supplied to the grid by the project in period y                                                                                                                                     |
| EG <sub>export, total, y</sub> | Total quantity of electricity exported to the grid by the project and other wind farm project based on the data metered by the main meter (or backup meter) installed at the on-site 220KV Substation in period y   |
| EG <sub>import, total, y</sub> | Total quantity of electricity imported from the grid by the project and other wind farm project based on the data metered by the main meter (or backup meter) installed at the on-site 220KV Substation in period y |
| EG <sub>project, y</sub>       | The electricity generation from the project metered by the separate meters (M1, M2, M3 and M4) installed at the project site in period y                                                                            |
| EG <sub>others, y</sub>        | The electricity generation from the other wind farm project metered by the separate meters (M5, M6, M7 and M8) installed at the site of other project in period y                                                   |

According to the VCS-MR /1/ of the project and the approved monitoring plan, The electricity exported (EG<sub>export, total, y</sub>) and imported (EG<sub>import, total, y</sub>) are both continuously monitored through the meter which is both agreed by the grid company and the project owner. The monthly monitoring records of the project have been verified during on-site assessment.

The verification team has cross-checked electricity figures in the emission reductions calculation spreadsheet /2/ with the Electricity Sales and Purchase Receipts/25/ of the project from the grid company. By the onsite assessment, the values in emission reductions calculation spreadsheet /2/ is in line with the Electricity Sales and Purchase Receipts/25/ during this period.

Parameter determined ex-ante:

EF<sub>grid, CM, y</sub>: Combined margin baseline emission factor of the NCPG (tCO<sub>2</sub>e/MWh)

According to the VCS PD /3/, the EF<sub>grid, CM, y</sub> is ex-ante determined as 0.8405 tCO<sub>2</sub>/MWh for NCPG over the second crediting period. The emission factors used in this monitoring report have been verified against the approved VCS PD /3/ and found them to be consistent.

#### 4.4.2 Assessment Data and Calculation

It was verified that the project is a renewable energy project. Therefore, the project emission of the project is zero under ACM0002 (version 20.0) /12/ ( $PE_y=0$ ).

The project is a new renewable energy project. Therefore, no leakage needs to be considered for the project according to the methodology ACM0002 (version 20.0) /12/. ( $LE_y=0$ ).

Since the project emission and the leakage emission has been justified as zero under ACM0002 (version 20.0) /12/, the calculation of the emission reductions simply involves the calculation of the baseline emissions.

Formula 1:

$$ER_y = BE_y - 0 - 0 = EG_{\text{facility}, y} \times EF_{\text{grid}, \text{CM}, y} \quad (1)$$

Where:

$ER_y$ : emission reductions in year y ( $tCO_2$ )

$BE_y$ : the baseline emissions ( $tCO_2$ )

$EG_{\text{facility}, y}$ : the electricity supplied by the project activity to the grid (MWh)

$EF_{\text{grid}, \text{CM}, y}$ : baseline emissions factor ( $tCO_2e/MWh$ )

Formula 2:

$$EG_{\text{facility}, y} = (EG_{\text{export}, \text{total}, y} - EG_{\text{import}, \text{total}, y}) \times EG_{\text{project}, y} / (EG_{\text{project}, y} + EG_{\text{others}, y}) \quad (2)$$

Following the approach described above, electricity data were verified as below:

Table 4-3 The verified electricity exports of the project (Unit: MWh)

| Monitoring Period |            | EG <sub>export, total, y</sub> (MWh)    |               |                    |
|-------------------|------------|-----------------------------------------|---------------|--------------------|
|                   |            | Reading records from the monthly report | Sales receipt | To be conservative |
| 13/09/2019        | 20/09/2019 | 2,700.679                               | 2,700.679     | 2,700.679          |
| 21/09/2019        | 20/10/2019 | 16,903.812                              | 16,903.812    | 16,903.812         |
| 21/10/2019        | 20/11/2019 | 24,961.366                              | 24,961.366    | 24,961.366         |
| 21/11/2019        | 20/12/2019 | 18,482.456                              | 18,482.456    | 18,482.456         |
| 21/12/2019        | 31/12/2019 | 5,938.163                               | 5,938.163     | 5,938.163          |
| 01/01/2020        | 20/01/2020 | 10,796.660                              | 10,796.660    | 10,796.660         |
| 21/01/2020        | 20/02/2020 | 14,966.199                              | 14,966.199    | 14,966.199         |

|              |            |                    |                    |                    |
|--------------|------------|--------------------|--------------------|--------------------|
| 21/02/2020   | 20/03/2020 | 22,761.955         | 22,761.955         | 22,761.955         |
| 21/03/2020   | 20/04/2020 | 14,565.496         | 14,565.496         | 14,565.496         |
| 21/04/2020   | 20/05/2020 | 19,015.055         | 19,015.055         | 19,015.055         |
| 21/05/2020   | 20/06/2020 | 17,969.595         | 17,969.595         | 17,969.595         |
| 21/06/2020   | 20/07/2020 | 14,242.235         | 14,242.235         | 14,242.235         |
| 21/07/2020   | 20/08/2020 | 16,097.694         | 16,097.694         | 16,097.694         |
| 21/08/2020   | 20/09/2020 | 15,437.106         | 15,437.106         | 15,437.106         |
| 21/09/2020   | 20/10/2020 | 17,114.424         | 17,114.424         | 17,114.424         |
| 21/10/2020   | 20/11/2020 | 16,637.442         | 16,637.442         | 16,637.442         |
| 21/11/2020   | 20/12/2020 | 18,222.895         | 18,222.895         | 18,222.895         |
| 21/12/2020   | 31/12/2020 | 14,906.460         | 14,906.460         | 14,906.460         |
| 01/01/2021   | 25/01/2021 | 27,102.656         | 27,102.656         | 27,102.656         |
| 26/01/2021   | 22/02/2021 | 25,324.157         | 25,324.157         | 25,324.157         |
| 23/02/2021   | 25/03/2021 | 19,255.256         | 19,255.256         | 19,255.256         |
| 26/03/2021   | 24/04/2021 | 16,521.662         | 16,521.662         | 16,521.662         |
| 25/04/2021   | 25/05/2021 | 27,983.566         | 27,983.566         | 27,983.566         |
| 26/05/2021   | 24/06/2021 | 19,227.796         | 19,227.796         | 19,227.796         |
| 25/06/2021   | 25/07/2021 | 15,629.039         | 15,629.039         | 15,629.039         |
| 26/07/2021   | 25/08/2021 | 16,024.046         | 16,024.046         | 16,024.046         |
| 26/08/2021   | 24/09/2021 | 12,696.652         | 12,696.652         | 12,696.652         |
| 25/09/2021   | 25/10/2021 | 17,591.172         | 17,591.172         | 17,591.172         |
| 26/10/2021   | 24/11/2021 | 29,071.791         | 29,071.791         | 29,071.791         |
| 25/11/2021   | 25/12/2021 | 25,868.481         | 25,868.481         | 25,868.481         |
| 26/12/2021   | 31/12/2021 | 4,311.363          | 4,311.363          | 4,311.363          |
| <b>Total</b> |            | <b>538,327.329</b> | <b>538,327.329</b> | <b>538,327.329</b> |

Table 4-4 The verified electricity imports of the project (Unit: MWh)

| Monitoring Period | EG <sub>import,total,y</sub> (MWh) |
|-------------------|------------------------------------|
|-------------------|------------------------------------|

|            |            | Reading records<br>from the monthly<br>report | Sales receipt | To be<br>conservative |
|------------|------------|-----------------------------------------------|---------------|-----------------------|
| 13/09/2019 | 20/09/2019 | 20.000                                        | 20.000        | 20.000                |
| 21/09/2019 | 20/10/2019 | 117.500                                       | 117.500       | 117.500               |
| 21/10/2019 | 20/11/2019 | 96.200                                        | 96.200        | 96.200                |
| 21/11/2019 | 20/12/2019 | 102.300                                       | 102.300       | 102.300               |
| 21/12/2019 | 31/12/2019 | 229.900                                       | 229.900       | 229.900               |
| 01/01/2020 | 20/01/2020 | 105.800                                       | 105.800       | 105.800               |
| 21/01/2020 | 20/02/2020 | 69.300                                        | 69.300        | 69.300                |
| 21/02/2020 | 20/03/2020 | 68.300                                        | 68.300        | 68.300                |
| 21/03/2020 | 20/04/2020 | 51.700                                        | 51.700        | 51.700                |
| 21/04/2020 | 20/05/2020 | 16.600                                        | 16.600        | 16.600                |
| 21/05/2020 | 20/06/2020 | 14.800                                        | 14.800        | 14.800                |
| 21/06/2020 | 20/07/2020 | 39.000                                        | 39.000        | 39.000                |
| 21/07/2020 | 20/08/2020 | 11.800                                        | 11.800        | 11.800                |
| 21/08/2020 | 20/09/2020 | 70.500                                        | 70.500        | 70.500                |
| 21/09/2020 | 20/10/2020 | 182.100                                       | 182.100       | 182.100               |
| 21/10/2020 | 20/11/2020 | 107.900                                       | 107.900       | 107.900               |
| 21/11/2020 | 20/12/2020 | 94.670                                        | 94.670        | 94.670                |
| 21/12/2020 | 31/12/2020 | 18.260                                        | 18.260        | 18.260                |
| 01/01/2021 | 25/01/2021 | 43.820                                        | 43.820        | 43.820                |
| 26/01/2021 | 22/02/2021 | 74.910                                        | 74.910        | 74.910                |
| 23/02/2021 | 25/03/2021 | 178.280                                       | 178.280       | 178.280               |
| 26/03/2021 | 24/04/2021 | 93.940                                        | 93.940        | 93.940                |
| 25/04/2021 | 25/05/2021 | 33.460                                        | 33.460        | 33.460                |
| 26/05/2021 | 24/06/2021 | 50.590                                        | 50.590        | 50.590                |
| 25/06/2021 | 25/07/2021 | 44.810                                        | 44.810        | 44.810                |

|              |            |                  |                  |                  |
|--------------|------------|------------------|------------------|------------------|
| 26/07/2021   | 25/08/2021 | 47.650           | 47.650           | 47.650           |
| 26/08/2021   | 24/09/2021 | 47.360           | 47.360           | 47.360           |
| 25/09/2021   | 25/10/2021 | 76.580           | 76.580           | 76.580           |
| 26/10/2021   | 24/11/2021 | 20.920           | 20.920           | 20.920           |
| 25/11/2021   | 25/12/2021 | 67.680           | 67.680           | 67.680           |
| 26/12/2021   | 31/12/2021 | 21.780           | 21.780           | 21.780           |
| <b>Total</b> |            | <b>2,218.410</b> | <b>2,218.410</b> | <b>2,218.410</b> |

Table 4-5 The verified  $EG_{\text{facility},y}$  of the project (Unit: MWh)

| Monitoring Period |            | $EG_{\text{export},\text{total},y}$ (MWh) | $EG_{\text{import},\text{total},y}$ (MWh) | $EG_{\text{project},y}$ (MWh) | $EG_{\text{others},y}$ (MWh) | $EG_{\text{facility},y}$ (MWh) |
|-------------------|------------|-------------------------------------------|-------------------------------------------|-------------------------------|------------------------------|--------------------------------|
|                   |            | Conservative value                        | Conservative value                        | Measured by the meters        | Measured by the meters       |                                |
| 13/09/2019        | 20/09/2019 | 2700.679                                  | 20.000                                    | 1217.790                      | 1541.820                     | 1,182.958                      |
| 21/09/2019        | 20/10/2019 | 16903.812                                 | 117.500                                   | 8591.690                      | 8506.960                     | 8,434.747                      |
| 21/10/2019        | 20/11/2019 | 24961.366                                 | 96.200                                    | 12693.450                     | 12685.260                    | 12,436.595                     |
| 21/11/2019        | 20/12/2019 | 18482.456                                 | 102.300                                   | 9407.370                      | 9321.690                     | 9,232.120                      |
| 21/12/2019        | 31/12/2019 | 5938.163                                  | 229.900                                   | 3054.240                      | 3032.400                     | 2,864.373                      |
| <b>Subtotal</b>   |            | <b>68,986.476</b>                         | <b>565.900</b>                            | <b>34,964.540</b>             | <b>35,088.130</b>            | <b>34,150.793</b>              |
| 01/01/2020        | 20/01/2020 | 10796.660                                 | 105.800                                   | 5477.430                      | 5559.330                     | 5,305.763                      |
| 21/01/2020        | 20/02/2020 | 14966.199                                 | 69.300                                    | 7613.130                      | 7673.400                     | 7,419.083                      |
| 21/02/2020        | 20/03/2020 | 22761.955                                 | 68.300                                    | 11567.010                     | 11475.870                    | 11,391.707                     |
| 21/03/2020        | 20/04/2020 | 14565.496                                 | 51.700                                    | 7458.570                      | 7430.640                     | 7,270.511                      |
| 21/04/2020        | 20/05/2020 | 19015.055                                 | 16.600                                    | 9737.700                      | 9608.970                     | 9,562.434                      |
| 21/05/2020        | 20/06/2020 | 17969.595                                 | 14.800                                    | 9125.130                      | 9158.940                     | 8,960.797                      |
| 21/06/2020        | 20/07/2020 | 14242.235                                 | 39.000                                    | 7293.720                      | 7213.080                     | 7,141.094                      |
| 21/07/2020        | 20/08/2020 | 16097.694                                 | 11.800                                    | 8235.780                      | 8165.220                     | 8,077.549                      |
| 21/08/2020        | 20/09/2020 | 15437.106                                 | 70.500                                    | 7824.810                      | 7899.150                     | 7,646.978                      |
| 21/09/2020        | 20/10/2020 | 17114.424                                 | 182.100                                   | 8762.250                      | 8667.960                     | 8,511.960                      |
| 21/10/2020        | 20/11/2020 | 16637.442                                 | 107.900                                   | 8493.240                      | 8431.290                     | 8,295.023                      |
| 21/11/2020        | 20/12/2020 | 18222.895                                 | 94.670                                    | 9330.510                      | 9219.210                     | 9,118.498                      |
| 21/12/2020        | 31/12/2020 | 14906.460                                 | 18.260                                    | 7612.920                      | 7546.980                     | 7,476.479                      |

|                 |            |                    |                  |                    |                    |                    |
|-----------------|------------|--------------------|------------------|--------------------|--------------------|--------------------|
| <b>Subtotal</b> |            | <b>212,733.216</b> | <b>850.730</b>   | <b>108,532.200</b> | <b>108,050.040</b> | <b>106,177.875</b> |
| 01/01/2021      | 25/01/2021 | 27102.656          | 43.820           | 13656.930          | 13661.550          | 13,527.130         |
| 26/01/2021      | 22/02/2021 | 25324.157          | 74.910           | 12741.120          | 12823.020          | 12,584.178         |
| 23/02/2021      | 25/03/2021 | 19255.256          | 178.280          | 9757.650           | 9817.920           | 9,509.121          |
| 26/03/2021      | 24/04/2021 | 16521.662          | 93.940           | 8446.410           | 8355.480           | 8,258.314          |
| 25/04/2021      | 25/05/2021 | 27983.566          | 33.460           | 14167.650          | 14139.720          | 13,988.842         |
| 26/05/2021      | 24/06/2021 | 19227.796          | 50.590           | 9843.750           | 9715.230           | 9,651.609          |
| 25/06/2021      | 25/07/2021 | 15629.039          | 44.810           | 7955.010           | 7988.610           | 7,775.693          |
| 26/07/2021      | 25/08/2021 | 16024.046          | 47.650           | 8184.540           | 8104.320           | 8,027.539          |
| 26/08/2021      | 24/09/2021 | 12696.652          | 47.360           | 6535.410           | 6464.640           | 6,359.076          |
| 25/09/2021      | 25/10/2021 | 17591.172          | 76.580           | 8901.690           | 8976.030           | 8,720.881          |
| 26/10/2021      | 24/11/2021 | 29071.791          | 20.920           | 14740.740          | 14646.870          | 14,571.833         |
| 25/11/2021      | 25/12/2021 | 25868.481          | 67.680           | 13108.830          | 13046.880          | 12,930.955         |
| 26/12/2021      | 31/12/2021 | 4311.363           | 21.780           | 2243.220           | 2187.360           | 2,171.833          |
| <b>Subtotal</b> |            | <b>256,607.637</b> | <b>801.780</b>   | <b>130,282.950</b> | <b>129,927.630</b> | <b>128,077.001</b> |
| <b>Total</b>    |            | <b>538,327.329</b> | <b>2,218.410</b> | <b>273,779.690</b> | <b>273,065.800</b> | <b>268,405.669</b> |

The verification team has confirmed the emission reductions of the project have been conservatively calculated in line with above mentioned Formula 1&2 in the emission reduction calculation spreadsheet /2/. The verification team has checked and confirmed the emission reduction is to be correctly accounted. The total emission reduction is as follow:

Table 4-6 Verified Emission Reductions during this monitoring period

| <b>Period</b> |                   |                  | <b>EG<sub>facility,y</sub><br/>(MWh)</b> | <b>EF<br/>(tCO<sub>2</sub>/MWh)</b> | <b>BE<sub>y</sub><br/>(tCO<sub>2</sub>e)</b> | <b>PE<sub>y</sub><br/>(tCO<sub>2</sub>e)</b> | <b>LE<sub>y</sub><br/>(tCO<sub>2</sub>e)</b> | <b>ER<sub>y</sub><br/>(tCO<sub>2</sub>e)</b> |
|---------------|-------------------|------------------|------------------------------------------|-------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| <b>Year</b>   | <b>From</b>       | <b>To</b>        | <b>A</b>                                 | <b>B</b>                            | <b>C=A*B</b>                                 | <b>D</b>                                     | <b>E</b>                                     | <b>F=C-D-E</b>                               |
| 2019          | 13-September-2019 | 31-December-2019 | 34,150.793                               | 0.8405                              | 28,703                                       | 0                                            | 0                                            | 28,703                                       |
| 2020          | 01-January-2020   | 31-December-2020 | 106,177.875                              | 0.8405                              | 89,242                                       | 0                                            | 0                                            | 89,242                                       |
| 2021          | 01-January-2021   | 31-December-2021 | 128,077.001                              | 0.8405                              | 107,648                                      | 0                                            | 0                                            | 107,648                                      |
| <b>Total</b>  |                   |                  | <b>268,405.669</b>                       | <b>/</b>                            | <b>225,593</b>                               | <b>0</b>                                     | <b>0</b>                                     | <b>225,593</b>                               |

#### 4.4.3 Comparison of ERs

Based on the above assessment, CCSC can conclude that the emission reduction during the monitoring period from 13-September-2019 to 31-December-2021 have been quantified correctly in accordance with the project description and applied methodology /12/, and the emission reduction during this monitoring period is verified as 225,593 tCO<sub>2</sub>e. Compared with the estimated emission reductions under the same days of 841 from 13-September-2019 to 31-December-2021 in the VCS PD /3/, 227,802 (=98,868\*841/365) tCO<sub>2</sub>e, the verified emission reduction is 0.97% lower than the estimated value. CCSC considers the value of verified emission reduction is conservative.

## 4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

The evidences used to determine the GHG emission reductions are assessed as follows:

| Assessment of the Evidence Quality             |                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Parameters monitored</b>                    | (1) EG <sub>export,total,y</sub><br>(2) EG <sub>import,total,y</sub><br>(3) EG <sub>project,y</sub><br>(4) EG <sub>others,y</sub>                                                                                                                                                                                      |
| <b>Monitoring method</b>                       | Onsite measurement of meters Main Meter, Backup Meter, M1~M8                                                                                                                                                                                                                                                           |
| <b>Measuring/Reading/Recording frequency</b>   | The parameters are continuously measured and monthly recorded.                                                                                                                                                                                                                                                         |
| <b>Calibration frequency/ interval</b>         | See Table 4-2 Verified calibration information of monitoring meter. Through on-site assessment and checking the calibration records of meters, the team confirms that all the monitoring meters meet the rated accuracy level and the calibration frequency meets the requirement as described in the monitoring plan. |
| <b>Calibration cover the monitoring period</b> | The verification team confirms that the validity period of all conducted calibrations covers this monitoring period from 13-September-2019 to 31-December-2021.                                                                                                                                                        |
| <b>Data reported</b>                           | Through cross-checking with the Electricity Sales and Purchase Receipts /25/, the monitoring data can be confirmed as acceptable to calculate emission reductions.                                                                                                                                                     |

In conclusion, all necessary documentation is collected, referenced and is easily accessible in hard-copy or electronic format. The data pertaining to the monitored parameters are maintained in the identified internal records and consistent with the values stated in the Monitoring Report /1/ and ER calculation spreadsheet /2/. Monitoring data have been cross-checked with the Electricity Sales and Purchase Receipts /25/.

#### 4.6 Non-Permanence Risk Analysis

The project is not AFOLU project, and thus non-permanence risk analysis is not applicable for the project.

## 5 VERIFICATION CONCLUSION

CCSC has carried out the verification of the project “Inner Mongolia Wuliji Wind Farm Project”. The verification was performed based on the requirements set by VCS Version 4 /11//13//14//15/, as well as criteria given to provide for consistent project operations, monitoring and reporting. This verification covers the period from 13-September-2019 to 31-December-2021 inclusive.

In the course of the verification 2 Clarification Requests (CLs), no Corrective Action Request (CAR) and no forward request (FAR) were raised. The verification is based on the VCS-MR /1/, the VCS PD /3/, ER calculation spreadsheet /2/ and supporting documents available to CCSC.

As the result of the verification, CCSC confirms that:

- The project has been implemented and operated as per the VCS PD /3/ and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
- The VCS-MR /1/ and other supporting documents provided are complete in accordance with the latest applicable version of the VCS Registration & Issuance Process /15/ and in accordance with the additional requirements stated by VERRA;
- The actual monitoring systems and procedures comply with the monitoring systems and procedures described in the approved monitoring plan and the approved methodology i.e., ACM0002 (version 20.0) /12/;
- The GHG emission reductions are calculated without material misstatements and in a conservative and appropriate manner.

Based on the evidence and information that are considered necessary to guarantee that GHG emission reductions are appropriately calculated, CCSC confirms the following statement:

Verification period: From 13-September-2019 to 31-December-2021

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

| Year         | Baseline emissions or removals (tCO <sub>2</sub> e) | Project emissions or removals (tCO <sub>2</sub> e) | Leakage emissions (tCO <sub>2</sub> e) | Net GHG emission reductions or removals (tCO <sub>2</sub> e) |
|--------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------|--------------------------------------------------------------|
| 2019         | 28,703                                              | 0                                                  | 0                                      | 28,703                                                       |
| 2020         | 89,242                                              | 0                                                  | 0                                      | 89,242                                                       |
| 2021         | 107,648                                             | 0                                                  | 0                                      | 107,648                                                      |
| <b>Total</b> | <b>225,593</b>                                      | <b>0</b>                                           | <b>0</b>                               | <b>225,593</b>                                               |

# APPENDIX A: ABBREVIATIONS

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| CAR               | Corrective Action Request                             |
| CDM               | Clean Development Mechanism                           |
| CER               | Certified Emission Reduction(s)                       |
| CL                | Clarification request                                 |
| CO <sub>2</sub>   | Carbon Dioxide                                        |
| CO <sub>2</sub> e | Carbon Dioxide Equivalent                             |
| CCSC              | China Classification Society Certification Co., Ltd.  |
| DOE               | Designated Operational Entity                         |
| DNA               | Designated National Authority                         |
| EF                | Emission Factor                                       |
| EIA               | Environmental Impact Assessment                       |
| ER                | Emission Reduction                                    |
| ETN               | Electricity Transaction Note                          |
| FAR               | Forward Action Request                                |
| GHG               | Greenhouse Gas(es)                                    |
| MR                | Monitoring Report                                     |
| PD                | Project Description                                   |
| PDD               | Project Design Document                               |
| PP                | Project Proponent                                     |
| UNFCCC            | United Nations Framework Convention on Climate Change |
| VVB               | Validation/Verification Body                          |
| VCS               | Verified Carbon Standard                              |
| VCU               | Verified Carbon Unit                                  |
| NCPG              | North China Power Grid                                |

## APPENDIX B: REFERENCE

Documents provided by the Project Participant and relevant background documents have been reviewed or referenced for the periodic verification conclusions.

| Ref no. | Reference Document                                                                                                                                           |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /1/     | CGN Carbon Asset Management (Beijing) Co., Ltd., VCS Monitoring Report version 01 dated 17/03/2022, version 02 dated 26/07/2022, version 03 dated 29/09/2022 |
| /2/     | CGN Carbon Asset Management (Beijing) Co., Ltd., ER calculation spreadsheet version 01 dated 17/03/2022                                                      |
| /3/     | VERRA: The VCS PD version 5.1 dated 30/12/2020                                                                                                               |
| /4/     | CTI: Validation report Report number CTI/NB-2020-0931, dated 30/12/2020                                                                                      |
| /5/     | EB website: The revised CDM PDD version 03 dated 15/04/2013                                                                                                  |
| /6/     | VERRA: The registered VCS PD dated 28/09/2010                                                                                                                |
| /7/     | DNV: Verification Report Report No. 2012-9100, dated 22/03/2012, MP (15/03/2010 to 31/03/2011) (1st CDM monitoring period)                                   |
| /8/     | LRQA: Verification Report Report No. A20341-B Version 01.3, dated 21/05/2012, MP (01/04/2011 - 31/01/2012) (2nd CDM monitoring period)                       |
| /9/     | LRQA: Verification Report Report No. A20437-B Version 01.2, dated 28/10/2013, MP (01/02/2012 - 20/01/2013) (3rd CDM monitoring period)                       |
| /10/    | CTC: Verification Report, dated 28/11/2018, MP (21/01/2013 to 14/03/2017) (4th CDM monitoring period)                                                        |
| /11/    | VERRA, VCS Standard, version 4.3                                                                                                                             |
| /12/    | CDM Executive Board, ACM0002 (Version 20.0)                                                                                                                  |
| /13/    | VERRA, Monitoring Report Template Form version 4.1                                                                                                           |
| /14/    | VERRA, VCS Program Guide version 4.2                                                                                                                         |
| /15/    | VERRA, Registration & Issuance Process version 4.2                                                                                                           |

|      |                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /16/ | China's National Plan on Implementation of the 2030 Agenda for Sustainable Development                                                                                                                                               |
| /17/ | Chinese DNA, 2007 China Regional Grid Baseline Emission Factors                                                                                                                                                                      |
| /18/ | China National Economic Trading Commission, Technical Administrative Code of Electric Energy Metering, DL/T 448-2016                                                                                                                 |
| /19/ | The State Bureau of Quality and Technical Supervision, Technical Norm of the Calibration of AC Watthour Meters at place of installation, JJG 1055-1997                                                                               |
| /20/ | "Notice on Strengthening Enterprise Greenhouse Gas Emission Report Management" issued by Ministry of Ecology and Environment of P.R.China                                                                                            |
| /21/ | "List of key emissions in the national carbon emissions transaction quota management in 2019-2020" issued by Ministry of Ecology and Environment of P.R.China                                                                        |
| /22/ | Qualification certificate of the meter calibration entity (Inner Mongolia Electricity Science Research Institute Electricity Measurement and Testing Center), issued by Inner Mongolia quality supervision and Administration Bureau |
| /23/ | Statement from PP about number of employee and salary during the operation period of the project activity                                                                                                                            |
| /24/ | Monthly reading records of the electricity measured by meter during this monitoring period                                                                                                                                           |
| /25/ | Electricity Sales and Purchase Receipts issued by the grid company for this monitoring period                                                                                                                                        |
| /26/ | Photos of electricity meters                                                                                                                                                                                                         |
| /27/ | Calibration reports of the meters                                                                                                                                                                                                    |
| /28/ | Questionnaire survey                                                                                                                                                                                                                 |
| /29/ | Bureau Veritas Certification: Verification Report Report No. VC/China-VR7022, dated 19/11/2010, MP (13/09/2009 to 14/03/2010) (1st VCS monitoring period)                                                                            |
| /30/ | CTI: Verification Report Report No. CTI/NB-2021-0406, dated 21/05/2021, MP (15/03/2017 to 12/09/2019) (2nd VCS monitoring period)                                                                                                    |
| /31/ | VERRA, VCS Standard, version 3.7                                                                                                                                                                                                     |
| /32/ | Consulting Services Contract                                                                                                                                                                                                         |

# APPENDIX C: RESOLUTION OF CLARIFICATION REQUESTS AND CORRECTIVE ACTION REQUESTS AND FORWARD ACTION REQUESTS

**Table 1. CL from this verification**

|                                                                                                                                                                                      |      |                    |      |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|-------------------------|
| <b>CL ID</b>                                                                                                                                                                         | CL-1 | <b>Section no.</b> | 1.11 | <b>Date:</b> 25/07/2022 |
| <b>Description of CL</b>                                                                                                                                                             |      |                    |      |                         |
| As per Instructions for Completing the Monitoring Report (Version 4.1), section 1.11 Sustainable Development Contributions shall be described more detailed and SDG 13.0 was missed. |      |                    |      |                         |
| <b>Project proponent response</b>                                                                                                                                                    |      |                    |      | <b>Date:</b> 08/08/2022 |
| The detailed information have been described and SDG 13.0 information has been updated.                                                                                              |      |                    |      |                         |
| <b>Documentation provided by project proponent</b>                                                                                                                                   |      |                    |      |                         |
| Updated MR                                                                                                                                                                           |      |                    |      |                         |
| <b>VVB assessment</b>                                                                                                                                                                |      |                    |      | <b>Date:</b> 29/09/2022 |
| In the updated MR, SDG 13.0 has been added, so CL-1 was closed.                                                                                                                      |      |                    |      |                         |

|                                                                                                                                                   |      |                    |           |                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|-----------|-------------------------|
| <b>CL ID</b>                                                                                                                                      | CL-2 | <b>Section no.</b> | APPENDIX1 | <b>Date:</b> 25/07/2022 |
| <b>Description of CL</b>                                                                                                                          |      |                    |           |                         |
| As per Instructions for Completing the Monitoring Report (Version 4.1), the evidence for the SDGs in section 1.11 shall be added in this section. |      |                    |           |                         |
| <b>Project proponent response</b>                                                                                                                 |      |                    |           | <b>Date:</b> 08/08/2022 |
| The evidence has been provided.                                                                                                                   |      |                    |           |                         |
| <b>Documentation provided by project proponent</b>                                                                                                |      |                    |           |                         |
| The proof of local job opportunities and salary amount                                                                                            |      |                    |           |                         |
| <b>VVB assessment</b>                                                                                                                             |      |                    |           | <b>Date:</b> 29/09/2022 |

The statement from PP about number of employee and salary during the operation period is consistent with the information in MR, so CL-2 was closed.

**Table 2. CAR from this verification**

| CAR ID                                             | N/A | Section no. | N/A | Date: N/A        |
|----------------------------------------------------|-----|-------------|-----|------------------|
| <b>Description of CAR</b>                          |     |             |     |                  |
| N/A                                                |     |             |     |                  |
| <b>Project proponent response</b>                  |     |             |     | <b>Date: N/A</b> |
| N/A                                                |     |             |     |                  |
| <b>Documentation provided by project proponent</b> |     |             |     |                  |
| N/A                                                |     |             |     |                  |
| <b>VVB assessment</b>                              |     |             |     | <b>Date: N/A</b> |
| N/A                                                |     |             |     |                  |

**Table 3. FAR from this verification**

| FAR ID                                             | N/A | Section No. | N/A | Date: N/A        |
|----------------------------------------------------|-----|-------------|-----|------------------|
| <b>Description of FAR</b>                          |     |             |     |                  |
| N/A                                                |     |             |     |                  |
| <b>Project proponent response</b>                  |     |             |     | <b>Date: N/A</b> |
| N/A                                                |     |             |     |                  |
| <b>Documentation provided by project proponent</b> |     |             |     |                  |
| N/A                                                |     |             |     |                  |
| <b>VVB assessment</b>                              |     |             |     | <b>Date: N/A</b> |
| N/A                                                |     |             |     |                  |