

XINJIANG JIMUNAI CGN PHASE I WIND FARM PROJECT

Document Prepared By CGN Carbon Asset Management (Beijing) Co., Ltd.

Project Title	Xinjiang Jimunai CGN Phase I Wind Farm Project
Version	Version 01
Date of Issue	20/11/2013
Prepared By	CGN Carbon Asset Management (Beijing) Co., Ltd.
Contact	Area 12 of Advanced Business Park, No. 188 west of South 4th Ring Road, No.2 Building, Beijing, The People's Republic of China Telephone: +86 10 63705765 Email:cgnwind@163.com

Table of Contents

1	Project Details	3
1.1	Summary Description of the Project	3
1.2	Sectoral Scope and Project Type	3
1.3	Project Proponent	3
1.4	Other Entities Involved in the Project.....	3
1.5	Project Start Date.....	3
1.6	Project Crediting Period	3
1.7	Project Scale and Estimated GHG Emission Reductions or Removals	4
1.8	Description of the Project Activity	4
1.9	Project Location	4
1.10	Conditions Prior to Project Initiation	5
1.11	Compliance with Laws, Statutes and Other Regulatory Frameworks	6
1.12	Ownership and Other Programs	6
1.12.1	Right of Use.....	6
1.12.2	Emissions Trading Programs and Other Binding Limits.....	6
1.12.3	Other Forms of Environmental Credit.....	6
1.12.4	Participation under Other GHG Programs.....	6
1.12.5	Projects Rejected by Other GHG Programs.....	6
1.13	Additional Information Relevant to the Project.....	6
2	Application of Methodology	7
2.1	Title and Reference of Methodology.....	7
2.2	Applicability of Methodology	7
2.3	Project Boundary	8
2.4	Baseline Scenario	8
2.5	Additionality.....	8
2.6	Methodology Deviations.....	8
3	Quantification of GHG Emission Reductions and Removals	8
3.1	Baseline Emissions.....	8
3.2	Project Emissions	8
3.3	Leakage	8
3.4	Net GHG Emission Reductions and Removals	8
4	Monitoring	9
4.1	Data and Parameters Available at Validation	9
4.2	Data and Parameters Monitored.....	9
4.3	Monitoring Plan	9
5	Environmental Impact.....	9
6	Stakeholder Comments.....	9

1 PROJECT DETAILS

1.1 Summary Description of the Project

The Xinjiang Jimunai CGN Phase I Wind Farm Project (hereafter refers to the proposed project) is to utilize wind resources for electricity generation through the construction of a wind farm with the installation of 33 wind turbines with capacities of 1500 kW each, which amount to a total installed capacity of 49.5 MW in Jimunai County, Xinjiang Uygur Autonomous Region, P. R. China. The electricity generated from the proposed project will be sold to Xinjiang Uygur Power Grid, an integral part of the Northwest China Power Grid (NWPG). By replacing the electricity generated from fossil fuel-fired power plants dominated NWPG; the proposed project will achieve greenhouse gas (GHG) emission reductions by avoiding CO₂ emissions. The estimated annual net electricity output and emission reductions of the proposed project are 117,315 MWh and 107,695 tCO₂e, respectively. The proposed project is a grid-connected renewable energy project.

1.2 Sectoral Scope and Project Type

Category: Renewable electricity in grid connected application

Sectroal Scope 1: Energy Industry

The project is not a grouped project.

1.3 Project Proponent

Organization name	Xinjiang Jimunai CGN Wind Power Co., Ltd.
Contact person	Shi Lei
Title	CDM office director
Address	Area 12 of Advanced Business Park, No. 188 west of South 4th Ring Road, No.2 Building, Beijing, The People's Republic of China
Telephone	+86 10 63705765
Email	cgnwind@163.com

1.4 Other Entities Involved in the Project

There are no other entities involved.

1.5 Project Start Date

19/03/2011(commissioning start date)

1.6 Project Crediting Period

The project crediting period is from 19/03/2011 to 27/10/2011 and the total crediting period is 223 days.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project Scale	
Project	✓
Large project	

Year	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 1 (19/03/2011-27/10/2011)	65,797
Total estimated ERs	65,797
Total number of crediting years	7 months and 9days
Average annual ERs	65,797

1.8 Description of the Project Activity

The project scenario is the implementation of the proposed project, the installation and operation of 33 sets of wind turbines with a total capacity of 49.5MW which will supply an average annual electricity of 117,315MWh to NWPG and replace the same amount of electricity supplied by fossil fuel-fired power plants connected to NWPG. The plant load factor provided to the government while applying the project activity for implementation approval will be adopted, which is defined ex-ante to be 27.05%.

The lifetime of the project is 20 years.

1.9 Project Location

The proposed project is located at the southwest of Jimunai County, Xinjiang Uygur Autonomous Region, P. R. China. The geographical coordinates of the proposed project is 86.0054°- 86.8443° east longitude and 47.5454°- 47.5796° north latitude. Figures 1 and 2 below show the geographical location of the proposed project.

Figure A1. The location of the proposed project in the map of P. R. China



Figure A2. The location of the proposed project in the map of Xinjiang Uygur Autonomous Region, P. R. China



1.10 Conditions Prior to Project Initiation

The project activity is the installation of a new grid-connected wind power project and the generated power shall be exported to the NWPG. Electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources within NWPG.

The project is a renewable resource based on wind power project without GHG emissions during operation period. Therefore, it was confirmed that the project has not been implemented to generate GHG emissions for the purpose of their subsequent reduction, removal or destruction.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

The project complies with all Chinese relevant laws and regulations. It also obtained the approval letters from governmental authorities: Development and Reform Commission (DRC), as well as Environment Protection Bureau (EPB) of Xinjiang Uygur Autonomous Region. The two approvals well demonstrate that local government permits the construction of the project. Consequently, the project is compliance with laws, status and other regulatory frameworks.

1.12 Ownership and Other Programs

1.12.1 Right of Use

The business license is the evidence for right of use. The approval of FSR and EIA are evidences for legislative right. Besides, the purchasing contract of wind turbine and the power purchase agreement are the evidences for the ownership of the plant, equipment and process generating.

1.12.2 Emissions Trading Programs and Other Binding Limits

The project has been registered as a CDM project on 28/10/2011, for which a renewable crediting period of 3*7 years will be used under the CDM GHG Program. Therefore, CO₂ emission reductions generated by the project during the CDM crediting period will be verified as unique CERs, but not VCUs to avoid double counting. As to the project under VCS Standard (Version. 3.4), only emission reduction achieved from 19/03/2011 to 27/10/2011 will be considered as VCUs.

1.12.3 Other Forms of Environmental Credit

The project neither has nor intends to generate any other form of GHG-related environmental credit for GHG emission reductions or removals claimed under the VCS Program for the period from 19/03/2011 to 27/10/2011.

1.12.4 Participation under Other GHG Programs

The project has been registered as CDM project and the registration number is 5289, the CDM crediting period is form 28/10/2011 to 27/10/2018.

1.12.5 Projects Rejected by Other GHG Programs

NA

1.13 Additional Information Relevant to the Project

Eligibility Criteria

NA

Leakage Management

According to the consolidated methodology ACM0002 (Version 12.1.0), the leakage of the project is not considered.

Commercially Sensitive Information

No commercially sensitive information has been excluded from the public version of the project description.

Further Information

No further information is required.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

The approved methodology applied in the proposed project activity is ACM0002 (version 12.1.0) – “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”.

Reference: <http://cdm.unfccc.int/UserManagement/FileStorage/VA17EM2PNDJWBTFY34KGRLZO68S9UQ>

“Tool for the demonstration and assessment of additionality (version 05.2)” and

Reference: http://cdm.unfccc.int/methodologies/PAmethodologies/AdditionalityTools/Additionality_tool.pdf

“Tool to calculate the emission factor for an electricity system (version 02.1.0)” is also applied in the proposed project.

Reference:

<http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v2.1.0.pdf>

2.2 Applicability of Methodology

The approved methodology ACM0002 is applicable to the project activity, because:

a. The Project is a newly-built 49.5MW grid-connected renewable energy (i.e. wind power) power plant at a site where no renewable power plant was operated prior to the implementation of the project activity.

b. The Project does not involve an on-site switch from fossil fuels to a renewable source.

Therefore, the baseline methodology ACM0002 (version 12.1.0) is applicable to the project activity.

2.3 Project Boundary

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.3 of the PDD.

2.4 Baseline Scenario

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.4 of the PDD.

2.5 Additionality

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.5 of the PDD.

2.6 Methodology Deviations

There is no deviation of the adopted methodology..

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.6 of the PDD.

3.2 Project Emissions

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.6 of the PDD.

3.3 Leakage

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.6 of the PDD.

3.4 Net GHG Emission Reductions and Removals

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.6.4 of the PDD.

4 MONITORING

4.1 Data and Parameters Available at Validation

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.6.2 of the PDD.

4.2 Data and Parameters Monitored

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.7 of the PDD.

4.3 Monitoring Plan

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section B.7.2 of the PDD.

5 ENVIRONMENTAL IMPACT

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section D of the PDD.

6 STAKEHOLDER COMMENTS

The project had been registered as a UNFCCC CDM project with Ref No.5289, Please refer to the Section E of the PDD.