



**Verified Carbon
Standard**

HEBEI KANGBAO SANXIATIAN WIND FARM PROJECT

Document Prepared by Demeter Venture Uk Limited

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CONTENTS

1	PROJECT DETAILS	4
1.1	Summary Description of the Implementation Status of the Project	4
1.2	Sectoral Scope and Project Type	4
1.3	Project Proponent	4
1.4	Other Entities Involved in the Project	5
1.5	Project Start Date	5
1.6	Project Crediting Period	5
1.7	Project Location	6
1.8	Title and Reference of Methodology	7
1.9	Participation under other GHG Programs	7
1.10	Other Forms of Credit	7
1.11	Sustainable Development	7
2	SAFEGUARDS	8
2.1	No Net Harm	8
2.2	Local Stakeholder Consultation	9
2.3	AFOLU-Specific Safeguards	11
3	IMPLEMENTATION STATUS	11
3.1	Implementation Status of the Project Activity	11
3.2	Deviations	12
3.3	Grouped Projects	12
4	DATA AND PARAMETERS	13
4.1	Data and Parameters Available at Validation	13
4.2	Data and Parameters Monitored	14

4.3	Monitoring Plan	15
5	QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS	18
5.1	Baseline Emissions	18
5.2	Project Emissions	19
5.3	Leakage	19
5.4	Net GHG Emission Reductions and Removals	19
	APPENDIX: < MONTHLY BASELINE EMISSIONS>	21

1 PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

Hebei Kangbao Sanxiatian Wind Farm Project (hereinafter referred to as the Project) is located at Kangbao County, Zhangjiakou City, Hebei Province, P.R.China. It is invested, constructed and operated by Hebei Construction Investment New Energy Co., Ltd.

The total installed capacity of the Project is 49.5 MW equipped with 33 sets of wind turbines with a unit installed capacity of 1,500 kW. Electricity generated by the Project is delivered to North China Power Grid (NCPG). The estimated annual exported electricity are 118,354.5MWh and the estimated emission reduction are 97,867 tCO₂e/yr during the second crediting period.

The project is to utilize renewable energy to generate and displace an equivalent amount of power, which would be supplied by fossil-fuel fired power plants connected to NCPG in the absence of the project. By displacing fossil-fuel fired power generation with wind power generation, the project leads to the reduction of GHG emissions into the atmosphere.

The project continuously started construction on 01/05/2009. The project started commissioning on 28/11/2009 and had a full operation on 18/12/2009.

This monitoring period is from 28/11/2019-30/11/2021 (734 days in the second crediting period). The total GHG emission reductions of the project achieved in this monitoring period are 207,094tCO₂e.

1.2 Sectoral Scope and Project Type

This category would fall within sectoral scope 1: energy industries (Renewable sources).

Project type: wind power project.

This project is not grouped project.

1.3 Project Proponent

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1.4 Other Entities Involved in the Project

Organization name	Demeter Venture Uk Limited
Role in the Project	Project participant
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1.5 Project Start Date

28/11/2009 (operation date, which means the date that started to generate GHG emission reductions)

1.6 Project Crediting Period

According to renewed VCS PD, as this project started commission on 28/11/2009 (which means the date started to generate GHG emission reductions), as per the VCS rules, the first crediting period under VCS is from 28/11/2009 to 27/11/2019 (10 years, renewable). Therefore, the total crediting period under VCS would have been from 28/11/2009 to 27/11/2039 (30 years). However, the project was registered under CDM on 26/11/2010. And the total crediting period under CDM is from 26/11/2010 to 25/11/2031 (21years). According to VCS standard, the total crediting period under VCS is from 28/11/2009 to 25/11/2031.

This is the second crediting period, which is from 28/11/2019 to 27/11/2029.

This monitoring period is from 28/11/2019 to 30/11/2021, which is within the second crediting period.

1.7 Project Location

The proposed project is in Kangbao County, Zhangjiakou City, Hebei Province, P. R. China. The project has central geographical coordinates with east longitude of 114°29'47.3" and north latitude of 41°53'57.6".

The figure 1 and 2 shows the geographical location of the project.



Figure 1. The project on the map of China

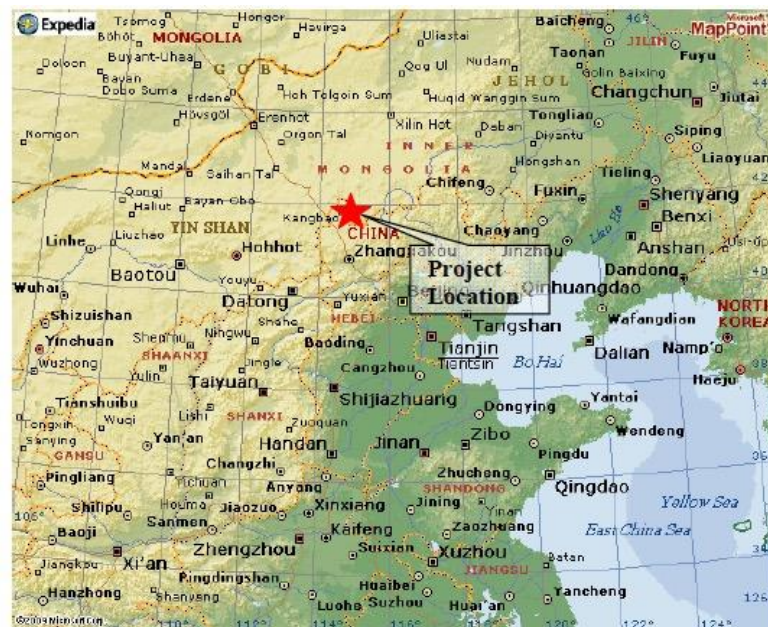


Figure 2. The project on the map of Kangbao County, Hebei Province, P. R. China

1.8 Title and Reference of Methodology

The approved methodology applied in the project activity is ACM0002 – “Grid-connected electricity generation from renewable sources (version 20.0).

Related tools are:

-Tool to calculate the emission factor for an electricity system (version 07.0)

-Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation (version 03.0)

-Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (version 03.0.1)

1.9 Participation under other GHG Programs

The Project has been registered as a CDM project on 26/11/2010 with registration number of 3312. It has been issued two times under CDM mechanism, with monitoring periods from 26/11/2010 to 29/11/2011 and 01/01/2013 to 30/09/2015. GHG emission reductions from 30/11/2011 - 31/12/2012 were awaiting issuance request under CDM scheme¹.

1.10 Other Forms of Credit

The project has been registered as a CDM project on 26/11/2010. It has been issued two times under CDM mechanism, with monitoring periods from 26/11/2010 to 29/11/2011 and 01/01/2013 to 30/09/2015. GHG emission reductions from 30/11/2011 - 31/12/2012 were awaiting issuance request under CDM scheme.

The emission reductions from 28/11/2019 to 30/11/2021 has not been and will not be counted or claimed under other GHG programs.

The Project has not created another form of environmental credit, and the Project will not create other environmental credit in the future.

1.11 Sustainable Development

The project makes contribution to the sustainable development as follows:

1. GHG emission reduction

The project will help reduce the greenhouse gas GHG emissions versus the high-growth, coal-dominated business-as-usual scenario in the NCPG by reducing the electricity generation from the fossil-fuel fired power plants.

¹ Since no monitoring period gap was allowed under CDM scheme, a MR for the period from 30/11/2011 - 31/12/2012 was just uploaded in EB website to prevent the gap. No issuance of this period will be claimed under CDM scheme.

Thus, the project achieved **SDG 13 Climate Action**².

2. Reduction of fossil fuel use and provide clean energy

The Project Activity will reduce reliance on imported fossil fuels, which will contribute to increasing China's energy security, and will also improve local air quality as it reduces the emissions of SO₂, and NO_x associated with fossil fuel use.

Thus, the project achieved **SDG 7 Affordable and Clean Energy**³.

3. Employment opportunities

The conducting of the project will create employment opportunities during the construction phase and operational period.

4. Economic Improvement

The construction of the wind farm will promote local economy by contributing to local government with more tax revenues through selling power generation.

Thus, the project achieved **SDG 8 Decent Work and Economic Growth**⁴.

2 SAFEGUARDS

2.1 No Net Harm

The environmental impact assessment for this project was carried out by Hebei Institute of Geographical Sciences in April 2008. The results of the EIA were positive and approved by Hebei Provincial Environmental Protection Bureau on 15/05/2008. A summary of conclusion of the report is illustrated as below:

Ambient air

The impact on ambient air quality of the proposed project is mainly from dust during construction stage. The excavation work is the primary emission source, however, it is a ground source and the particle size is quite large so that dust will deposit quickly on the ground. Immediately replant the areas where construction has completed, and by sprinkling water frequently and timely clearing can reduce the dust pollution. When the project is in operational period, there will be no air pollutions. In conclusion, the proposed project will not pose any threat on the quality of ambient air.

Impact from noise

² <https://sdgs.un.org/goals/goal13>

³ <https://sdgs.un.org/goals/goal7>

⁴ <https://sdgs.un.org/goals/goal8>

There is some noise caused by operation of equipment. However, the location arrangement of wind turbines is seriously considered to avoid adverse influence on the residents. The noise level is in accordance with the National Standard. Hence, the noise will not impact the work and daily life of local residents.

Electromagnetic impact

The electromagnetic pollution generated from operation of the wind blades has limited effect within about 200m around, whereas no wireless communication facilities exist within 300m nearby, so the electronic magnetic pollution to the surrounding environment is insignificant.

Impact from Solid waste

There is mainly some waste of stone, bricks or domestic waste in the construction stage and basically no solid waste in the operational period. Solid waste will be collected and handled properly. Hence, it will not result in any environmental impact.

Impact from Wastewater

There is mainly domestic wastewater with fairly small quantities in construction stage, and primary treatment methods will be first applied, small-scale septic tanks should be built on the site, through which the wastewater can finally meet the standard of discharge after treatment. Therefore, the impact of wastewater is limited and mitigated.

Impact on ecological environment

The proposed project will both permanently and temporarily occupy some land (mostly farmland), the temporarily occupied land will be ecologically restored for original use. Such restoration measures will include land re-surfacing, re-vegetation, and etc. As for the permanently occupied land, ecological compensation measures will be applied to the adjacent area to offset the impact on ecosystem.

No migrating birds have been found in the project field till now. Therefore, the project is not located on the passage of migrating birds, and the project construction will not influence the migration of birds.

The Project uses clean renewable energy to generate electricity whose environmental impact complies with relevant environmental laws and regulations in the host country. The environmental impacts of the proposed project are considered insignificant. In summary, by means of measures of pollution avoidance and control as well as ecological recovery, the Project will not impact the environment.

Therefore, the project does not bring negative environmental and socio-economic impacts.

2.2 Local Stakeholder Consultation

In Nov 2008, staff from the project owner carried out a survey of the local residents around the project location. The staff introduced the background of the proposed project and then sent out 50 copies of questionnaire in a random way, 50 pieces of reply were received. Among the interviewees, 18 of them have educational level of middle school or below middle school, 7 of high school, 4 of technical secondary school and 21 of collage.

An invitation notice for stakeholder comments was later issued by the project developer, several representatives of local stakeholders, including governmental officials of local county and local residents, etc attended the meeting on 15/11/2008 to discuss the questionnaires collected and

further introduce the project. No negative opinion on construction of the project is heard and environmental considerations expressed by stakeholders are discussed on the meeting.

The questions regarding the proposed project were mainly as follows:

Do you know the proposed project?

The attitude to the proposed project (simple choice)?

The necessity of the proposed project (multiple choices)?

What are the positive impacts on your life of the proposed project (multiple choices)?

What are the negative impacts on your life of the proposed project (multiple choices)?

What measures do you think can reduce the above effects?

Do you know the Clean Development Mechanism?

The summary of questionnaire survey is listed as the following:

- 24 (48%) of them know the proposed project very well, 21(42%) have gained some understanding of it, 5 (10%) of them don't know the project;
- All (100%) of them support the project;
- 29 of them think it will increase the power supply, 31 of them think it will offer job opportunities for local people, 38 of them think it will increase local taxation, and one of them thinks the proposed project belongs to the renewable resource, it will reduce fossil fuel consumption;
- 22 of them think the proposed project will help to use electricity or increase the power supply, 28 of them think it will make income growth, 29 of them think it will offer job opportunities for local people, 22 of them think it will advance the living standard, and 3 of them think it will avoid pollutant emissions and has obvious environmental benefit;
- 32 of them think the proposed project doesn't have negative impacts, 1 of them think it will make noise, 14 of them think it will appropriate land, no one thinks it will effect the living environment of birds, destroy the local ecological environment and traffic facilities, 2 of them think it will reduce the farmland production, and one of them thinks it may destroy vegetation;
- Regarding the negative impacts of the propose project, they think it should make revegetation, use advance technology to reduce noise and optimization design to reduce the land appropriation;
- 22 (44%) of them know Clean Development Mechanism, and the others (56%) do not know;
- Regarding the suggestion of the propose project, 13 of them think it is a good project, they hope it can put into construction early.

The summary of local stakeholders meeting:

The local community possesses basically positive comments on the effects of the proposed project. The interviewees considered that local social, economic and environmental development

would be beneficial from the proposed project. The response was overall supportive to the project implementation.

For continuous communication with local stakeholders, the project owner public its office telephone to local people and put a grievance book in the office of the company. Anyone who have comments on the project could write on the book or leave message by phone. And after these years' operation, no negative comments were received from local people.

2.3 AFOLU-Specific Safeguards

This project is not an AFOLU project. Therefore, this section is not applicable.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The project installed 33 sets of wind turbines, manufactured by GE Electric, with a unit capacity of 1,500 kW and total capacity of 49.5MW. The wind power generated will be switched through 110 kV substation at the project site, and then connected to the 110 kV Kangbao substation, then transmitted to the North China Power Grid finally. The wind power generation process of the project is showed in Figure 3.

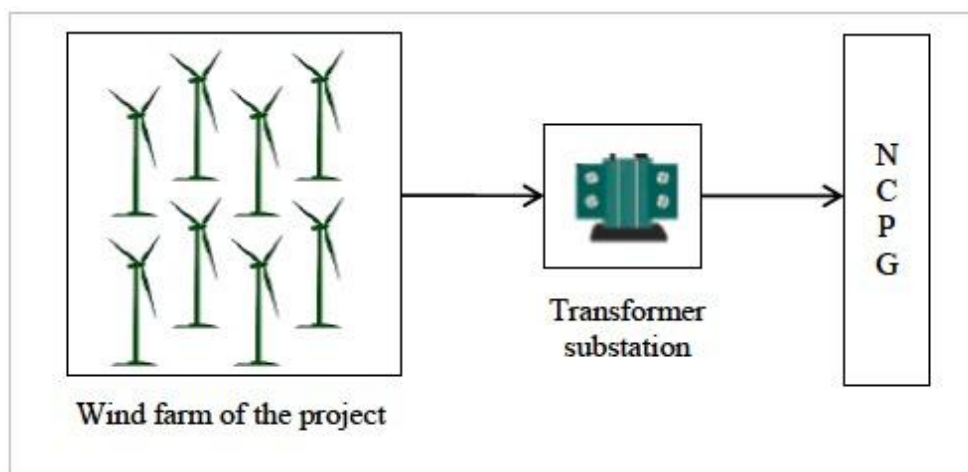


Figure 3. Process flow chart

The technical parameters of the installed wind turbines are shown in the table below.

Table 1. Main technical parameters of key equipment in the Project

Parameter	Data
-----------	------

Model		GE1.5sle
Quantity		33
Height of hub		80m
Wind Turbine	Diameter	77m
	Number of blades	3
	Rated wind speed	14m/s
	Cut-in wind speed	3.5m/s
	Cut-off wind speed	25m/s
Generator	Rated Power	1500 kW
	Rated voltage	690v
	Life time	20years
Main Transformer	Model	SZ11-50000/110kV
	Rated voltage	35/110kV

The Project started construction on 01/05/2009 and started commissioning on 28/11/2009. During this monitoring period, the monitoring system of the Project was implemented in line with the monitoring plan.

The wind farm had a good running, no equipment is overhauled or replaced in this monitoring period.

No events or emergency which may impact the monitoring activities and methodology applicability occurred during this monitoring period.

3.2 Deviations

2.3.1 Methodology Deviations

There is no methodology deviation in this monitoring period.

2.3.2 Project Description Deviations

The project was registered under VCS scheme (VCS version 2007.1). In the Verification Report of initial VCS monitoring period, it was mentioned that the project started operation since 28/11/2009. As per UNFCCC website, it was confirmed that the project activity was registered as CDM project activity on 26/11/2010. Therefore, the VCS crediting period was determined as 28/11/2009 to 25/11/2010. As per VCS version 2007.1 under which the project was registered, the project crediting period is allowable for 10 years and could be renewed twice. Therefore, the total VCS crediting period was determined from 28/11/2009 to 25/11/2031 (considering 3*7 years CDM crediting period), of which the first VCS crediting period is from 28/11/2009 to 27/11/2019 and the second VCS crediting period is from 28/11/2019 to 27/11/2029. The same has been described in the renewed VCS PD and approved by VERRA.

3.3 Grouped Projects

Not applicable as this is not a grouped project.

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	$EF_{grid,OM,y}$
Data unit	tCO ₂ /MWh
Description	Simple operating margin CO ₂ emission factor in year y
Source of data	“2019 Baseline Emission Factors for Regional Power Grids in China” issued by China DNA ⁵
Value applied	0.9419
Justification of choice of data or description of measurement methods and procedures applied	Official public data from MEE
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$EF_{grid,BM,y}$
Data unit	tCO ₂ /MWh
Description	Simple operating margin CO ₂ emission factor in year y
Source of data	“2019 Baseline Emission Factors for Regional Power Grids in China” issued by China DNA ⁶
Value applied	0.4819
Justification of choice of data or description of measurement methods and procedures applied	Official public data from MEE
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	WOM
Data unit	%
Description	Weighting of operating margin emissions factor
Source of data	“Tool to calculate the emission factor for an electricity system” (Version 07.0)

⁵ <http://www.mee.gov.cn/ywgz/ydqhbh/wsqtz/202012/W020201229610353816665.pdf>

⁶ <http://www.mee.gov.cn/ywgz/ydqhbh/wsqtz/202012/W020201229610354442145.pdf>

Value applied	75
Justification of choice of data or description of measurement methods and procedures applied	Based on the requirements of “Tool to calculate the emission factor for an electricity system” (Version 07.0)
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	WBM
Data unit	%
Description	Weighting of operating margin emissions factor
Source of data	“Tool to calculate the emission factor for an electricity system” (Version 07.0)
Value applied	25
Justification of choice of data or description of measurement methods and procedures applied	Based on the requirements of “Tool to calculate the emission factor for an electricity system” (Version 07.0)
Purpose of Data	Calculation of baseline emissions
Comments	/

4.2 Data and Parameters Monitored

Data / Parameter	EG_{facility,y}
Data unit	MWh
Description	Quantity of net electricity generation supplied by the project plant/unit to the grid in year y..
Source of data	Calculation by $EG_{export,y}$ minus $EG_{import,y}$ based on the measurement of monitoring meter M1. $EG_{export,y}$ and $EG_{import,y}$ is continuously monitored by bi-directional electricity meter M1.
Description of measurement methods and procedures to be applied	$EG_{export,y}$ and $EG_{import,y}$ is measured by the electricity meter M1 installed at the project site and recorded by the project owner. The meter records are crosschecked with electricity receipts, and the conservative value is used for emission reduction calculations. At 24:00 of the last day of each month, the meter reading were read and recorded by the project owner and grid company.
Frequency of monitoring/recording	Continuously measurement and monthly recording

Value monitored	250,448.950														
Monitoring equipment	The information of the electricity meter is in the following table. <table><tr><th>Type</th><th>Serial No.</th><th>Accuracy</th><th>Calibration date</th><th>Validity date</th></tr><tr><td rowspan="3">Electricity meter DTSD341</td><td rowspan="3">09070111440058</td><td rowspan="3">0.2S</td><td>15/03/2019</td><td>14/03/2020</td></tr><tr><td>15/03/2020</td><td>14/03/2021</td></tr><tr><td>15/03/2021</td><td>14/03/2022</td></tr></table>	Type	Serial No.	Accuracy	Calibration date	Validity date	Electricity meter DTSD341	09070111440058	0.2S	15/03/2019	14/03/2020	15/03/2020	14/03/2021	15/03/2021	14/03/2022
Type	Serial No.	Accuracy	Calibration date	Validity date											
Electricity meter DTSD341	09070111440058	0.2S	15/03/2019	14/03/2020											
			15/03/2020	14/03/2021											
			15/03/2021	14/03/2022											
QA/QC procedures to be applied	The electricity meter is calibrated by qualified entity according to national standards. The electricity record is crosschecked with sales receipts and the conservative value will be used for emission reduction calculation.														
Purpose of the data	Calculation of baseline emissions														
Calculation method	$EG_{\text{facility},y} = EG_{\text{export},y} - EG_{\text{import},y}$ $EG_{\text{export},y}$: Quantity of electricity exported to the grid by the project. $EG_{\text{import},y}$: Quantity of electricity imported from the grid by the project.														
Comments	/														

4.3 Monitoring Plan

1. Monitoring data

$EG_{\text{export},y}$ The electricity delivered by the Project to the grid in year y

$EG_{\text{import},y}$ The electricity imported by the Project from the grid via the main transmission line in year y

2. Monitoring structure

Hebei Construction Investment New Energy Co., Ltd, the owner of the proposed project, will use this document as guideline in monitoring of the project emission reduction performance and will adhere to the guidelines set out in this monitoring plan to ensure that the monitoring is credible, transparent and conservative.

The monitoring system is shown in Figure 4.

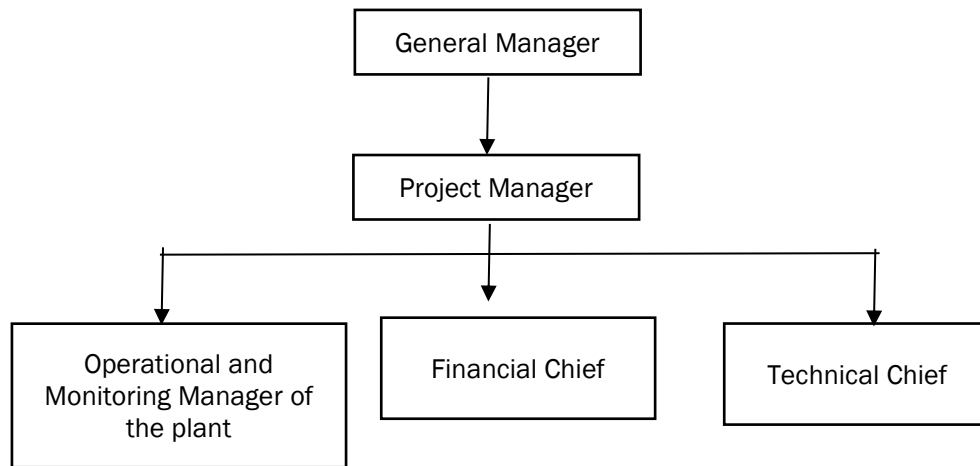


Figure 4. Monitoring structure

The responsibilities of the project staff are as follow:

General Manager: To be responsible for supervising the whole monitoring procedure.

Project Manager: To be responsible for data management and compiling monitoring report.

Operational and monitoring manager: To be responsible for collecting data and do internal audit.

Financial chief: To be responsible for collection of sales receipts.

Technical chief: To be responsible for preparing operational reports of the project activity, recording the daily operation of the wind farm, including operating periods, equipment defects, etc.

3. Monitoring Equipment

Electricity supplied by the proposed project will be monitored through the bi-directional electricity meter.

Electricity supplied to the grid by the project activity and the electricity imported from the grid to the project site will be monitored by the meters. The gateway meter(s) (hereafter referred as the meter M1) was installed at the project site. The quantity of electricity exported to the grid and imported from the grid by the project was cross-checked with the electricity receipts. The precision of the meter M1 is 0.2S.

The receipts of the electricity exported to the grid by this project and the electricity imported from the grid will be issued by the grid company and confirmed by the project owner. The net generation is calculated as exports minus imports.

A diagram shows how parameters are monitored is presented as follows:

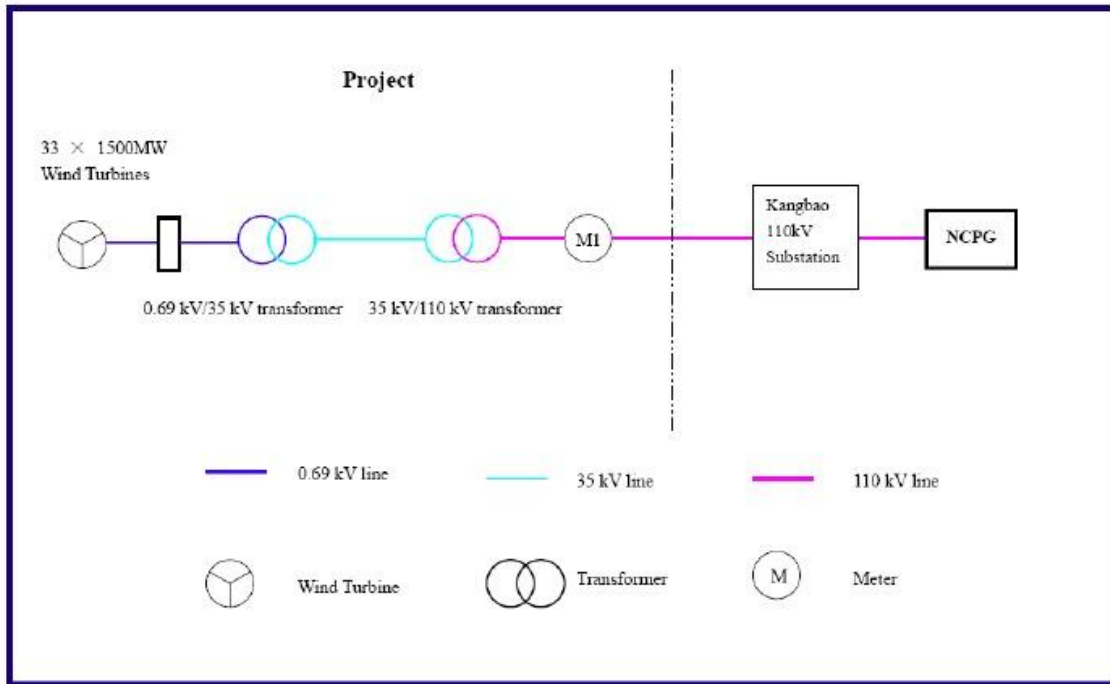


Figure 5. Monitoring diagram

4. Quality Assurance and Quality Control Procedure

The workers are trained to be competent and the metering equipment are calibrated and sealed as per the industry practices at regular intervals, with the purpose to provide credible, accurate, transparent and conservative monitoring data and ensure the real, measurable, long-term GHG emission reduction from this project. The accuracy of the meter is 0.2S.

Monthly net on-grid electricity supplied data will be approved and signed off by the Manager before it is accepted and stored. This audit will check compliance with monitoring procedures in this monitoring plan.

5. Data Management and reporting

Physical documentation such as paper-based maps, diagrams and environmental assessment will be collated in a central place, together with this monitoring plan. In order to facilitate auditors' reference of relevant literature relating to the proposed project activity, the project material and monitoring results will be made available.

At the end of each month, the monitoring data will be filed in a spreadsheet and stored electronically, and the paper-based printout should be also archived. Furthermore, the project owner collects the sales receipts for the electricity supplied to the grid as a cross-check and compiled the monitoring report including the monitoring data and relevant evidence at the end of each crediting year.

All the data will be kept for two years following the end of the last crediting period.

6. Procedure of emergency handling

In case metering equipment is damaged and no reliable readings can be recorded the project entity will estimate net supply by the proposed project activity according to the following procedure:

In case metering equipment is damaged: The project entity and the grid company will jointly calculate a conservative estimate of power supplied to the grid. A statement will be prepared indicating

- the background to the damage to metering equipment
- the assumptions used to estimate net supply to the grid for the days for which no record could be recorded
- the estimation of power supplied to the grid. The statement will be signed by both a representative of the project entity as well as a representative of the grid company.

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

According to ACM0002, the baseline emission during this verification period is calculated as

$$BE_y = EG_{\text{facility},y} \times EF_{\text{grid},CM,y}$$

Where:

BE_y is the baseline emissions (tCO₂e)

$EG_{\text{facility},y}$ is the quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh)

$EF_{\text{grid}, CM,y}$ is the combined margin CO₂ emission factor for the NCPG in year y , which is fixed in the first crediting period (tCO₂e/MWh)

The yearly electricity volume and baseline emissions are listed in following table 2.

Table 2. Baseline emissions

Period	$EG_{\text{export},y}$ (MWh)	$EG_{\text{import},y}$ (MWh)	$EG_{\text{facility},y}$ (MWh)	$EF_{\text{grid},CM,y}$ (tCO ₂ /yr)	Baseline Emissions (tCO ₂ e)
28/11/2019-	14122.440	11.130	14111.310	0.82690	11,668

31/12/2019 ⁷					
01/01/2020-31/12/2020	121910.770	110.370	121800.400	0.82690	100,716
01/01/2021-30/11/2021	114630.420	93.180	114537.240	0.82690	94,710
Total in this monitoring period	250663.630	214.680	250448.950	/	207,094

The monthly data are shown in appendix 1.

5.2 Project Emissions

According to the ACM0002, the emission of wind power project activity is zero, i.e. $PE_y=0$.

5.3 Leakage

According to ACM0002, the leakage of wind power project is not needed to be considered.

5.4 Net GHG Emission Reductions and Removals

In according with the registered PD

$$ER_y = BE_y - PE_y$$

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
28/11/2019-31/12/2019	11,668	0	0	11,668
01/01/2020-31/12/2020	100,716	0	0	100,716
01/01/2021-30/11/2021	94,710	0	0	94,710
Total	207,094	0	0	207,094

⁷ The $EG_{\text{export},y}$ and $EG_{\text{import},y}$ is 11146.730MWh and 25,34MWh during 01/11/2019 to 30/11/2019 based on Monthly Meter Reading records and Electricity receipts.

According to the issued MR (monitoring period is 01/10/2015 to 27/11/2019), the $EG_{\text{export},y}$ and $EG_{\text{import},y}$ of 9956.940MWh and 23.170MWh have been confirmed and calculated during 01/11/2019 to 27/11/2019.

Thus, the $EG_{\text{export},y}$ during 28/11/2019 to 30/11/2019 is calculated as 11146.730MWh-9956.940MWh=1189.790MWh, and the $EG_{\text{import},y}$ during 28/11/2019 to 30/11/2019 is calculated as 25.340MWh-23.170MWh=2.170MWh. The same has been confirmed by local power grid company.

The estimated annual emission reductions in the renewed PD are 97,867tCO₂e/yr. This monitoring period is from 28/11/2019 to 30/11/2021 (734days). The ex-ante estimated ER for this monitoring period are $97,867/365 \times 734 = 196,806.52\text{tCO}_2$. And the actual ER for this monitoring period is 207,094tCO₂, which is 5.23% larger than the ex-ante estimation. This will not influence the additionality. As per the registered PD, when electricity increases 20%, the IRR would reach the benchmark of 8%.

The first reason for the increase of electricity generation is mainly because that the wind volume is larger than the estimation of project designing. The second reason is that the operation skill is improved and plant management is better than before.

APPENDIX: < MONTHLY BASELINE EMISSIONS >

EG _{export,y}				EG _{import,y}			EG _{facility,y}
Period	Data from monthly meter reading records (MRRs) (MWh)	Data from Electricity receipts (MWh)	Conservative data (MWh)	Data from monthly meter reading records (MRRs) (MWh)	Data from Electricity receipts (MWh)	Conservative data (MWh)	
	A	B	C=min(A,B)	D	E	F=max(D,E)	G=C-F
28/11/2019-30/11/2019	1189.790	1189.790	1189.790	2.170	2.170	2.170	1187.62
01/12/2019-31/12/2019	12932.650	12932.650	12932.650	8.960	8.960	8.960	12923.69
Total in 2019	14122.440	14122.440	14122.440	11.130	11.130	11.130	14111.31
01/01/2020-31/01/2020	12981.180	12981.180	12981.180	0.000	0.000	0.000	12981.18
01/02/2020-29/02/2020	11213.720	11213.720	11213.720	12.640	12.640	12.640	11201.08
01/03/2020-31/03/2020	10923.190	10923.190	10923.190	8.390	8.390	8.390	10914.80
01/04/2020-30/04/2020	9978.630	9978.630	9978.630	8.320	8.320	8.320	9970.31
01/05/2020-31/05/2020	8796.230	8796.230	8796.230	10.610	10.610	10.610	8785.62
01/06/2020-30/06/2020	8918.040	8918.040	8918.040	11.230	11.230	11.230	8906.81
01/07/2020-31/07/2020	7689.250	7689.250	7689.250	10.250	10.250	10.250	7679.00
01/08/2020-31/08/2020	8825.010	8825.010	8825.010	12.180	12.180	12.180	8812.83
01/09/2020-30/09/2020	9138.370	9138.370	9138.370	5.720	5.720	5.720	9132.65
01/10/2020-31/10/2020	9355.980	9355.980	9355.980	8.240	8.240	8.240	9347.74
01/11/2020-30/11/2020	12026.360	12026.360	12026.360	10.080	10.080	10.080	12016.28
01/12/2020-31/12/2020	12064.810	12064.810	12064.810	12.710	12.710	12.710	12052.10
Total in 2020	121910.770	121910.770	121910.770	110.370	110.370	110.370	121800.40

01/01/2021-31/01/2021	12091.260	12091.260	12091.260	6.870	6.870	6.870	12084.39
01/02/2021-28/02/2021	12076.240	12076.240	12076.240	12.390	12.390	12.390	12063.85
01/03/2021-31/03/2021	9807.270	9807.270	9807.270	5.820	5.820	5.820	9801.45
01/04/2021-30/04/2021	9068.540	9068.540	9068.540	4.880	4.880	4.880	9063.66
01/05/2021-31/05/2021	8970.610	8970.610	8970.610	12.650	12.650	12.650	8957.96
01/06/2021-30/06/2021	9705.320	9705.320	9705.320	10.330	10.330	10.330	9694.99
01/07/2021-31/07/2021	9080.550	9080.550	9080.550	8.520	8.520	8.520	9072.03
01/08/2021-31/08/2021	10213.120	10213.120	10213.120	8.030	8.030	8.030	10205.09
01/09/2021-30/09/2021	11080.470	11080.470	11080.470	11.090	11.090	11.090	11069.38
01/10/2021-31/10/2021	10312.360	10312.360	10312.360	5.390	5.390	5.390	10306.97
01/11/2021-30/11/2021	12224.680	12224.680	12224.680	7.210	7.210	7.210	12217.47
Total in 2021	114630.420	114630.420	114630.420	93.180	93.180	93.180	114537.24
Total in this monitoring period	250663.630	250663.630	250663.630	214.680	214.680	214.680	250448.95